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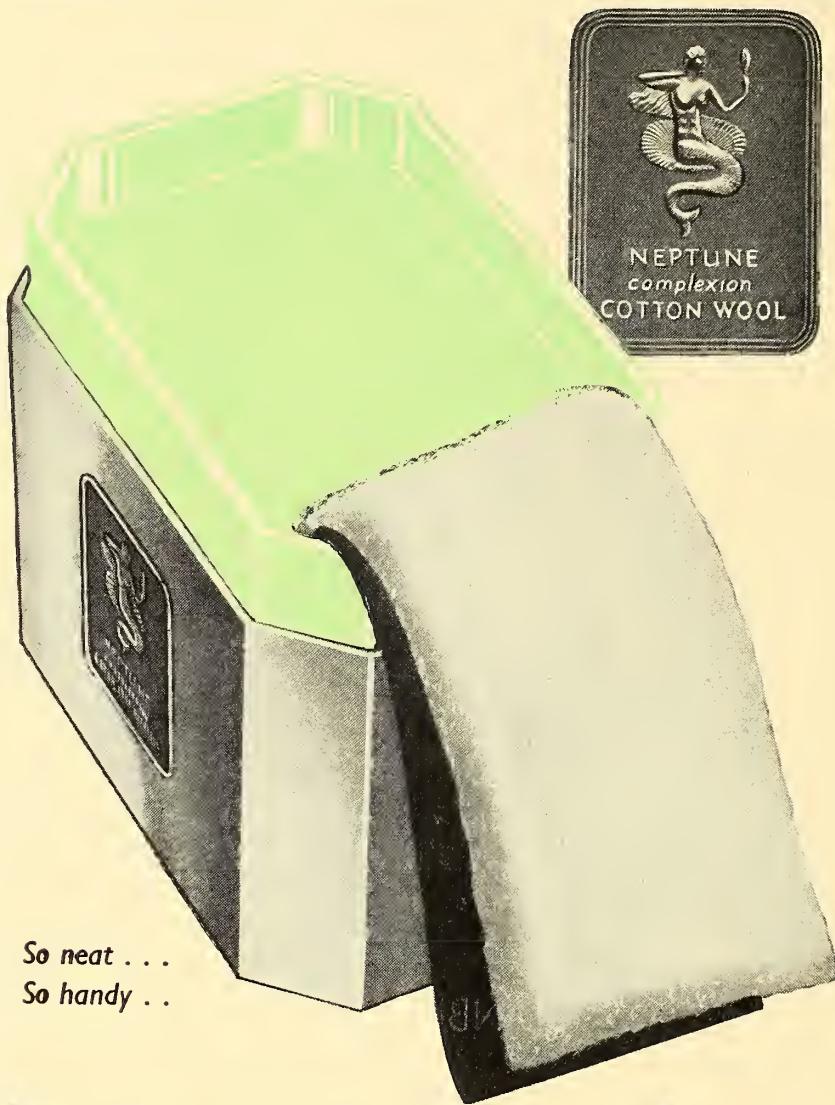
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to reply to any inquiry*

(15)

Famous Figures



JOHANNES FRIDERICUS HELVETIUS

Johannes Fridericus Helvetius (1625-1709) (alias Schweitzer) was a well-known medical practitioner who became physician to the Prince of Orange, and is reputed to have obtained the philosopher's stone and transmuted metal into gold.

In 1667 he gave to the world some details of an astonishing transmutation he claimed to have made. The stone described would appear to have been very similar to that of another famous alchemist, Van Helmont. The account gives details of the author's encounter with an artist, Elias, who produced small pieces of glass-like substance which were sufficient to produce 20 tons of gold. Helvetius obtained a few crumbs of the stone and succeeded in transmuting a piece of lead into true "mense gold." This was tested amongst others by the Master of the Mint, who found that a definite amount of gold had been produced. The author stated that he was subsequently unable to trace Elias, to whom he was indebted for the achievement. The latter had left on a long journey to the Holy Land. He concludes his narrative of the affair with the words, "May the Holy Angels of God watch over him wherever he is, and long preserve him as a source of blessing to Christendom."

Whether Helvetius obtained the Grand Arcanum of Nature must be left to the imagination. He certainly played a part in unearthing some of those important scientific facts which formed the beginnings of modern chemistry.

Helvetius had a son, Jean Adrien, who left home to make a living by selling his father's

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remedies. He entered medical circles in Paris, becoming acquainted with eminent members of the profession and distinguished persons in Society.

From either a colleague, Le Gras, or a merchant patient, Garnier, he received a parcel of Ipecacuanha which he began prescribing as a secret remedy, with astonishing results, particularly in dysentery.

News of his success reached the French Court, and Helvetius was called upon to treat the Dauphin. A cure was effected, and as an outcome the King, Louis XIV, secured the publication of the secret for 1,000 louis d'or.

In Pharmacy AND ITS ALLIED FIELDS

Helvetius was eventually made Inspector-General of the Hospitals of Flanders, and physician to the Duc d'Orleans.

The introducer employed the drug at first in large and later in small doses in the form of a decoction and also as an ointment. Amongst those who endorsed the use of the drug were Sloane in England and Leibnitz in Germany. Helvetius also became famous for a pill containing alum, dragons blood and honey of roses, which was administered as a styptic. Jean Adrien had a son who also had a very successful career, becoming the pet philosopher and poet of the French in the period just prior to the revolution.

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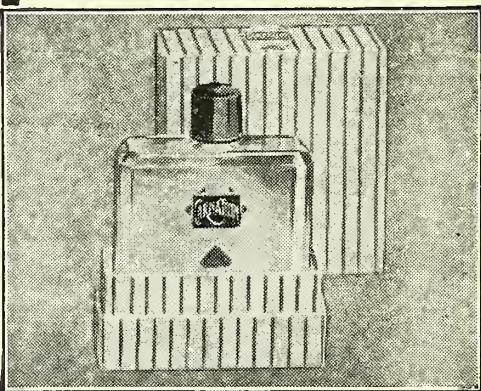
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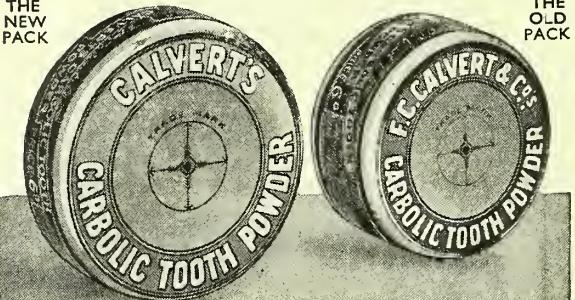
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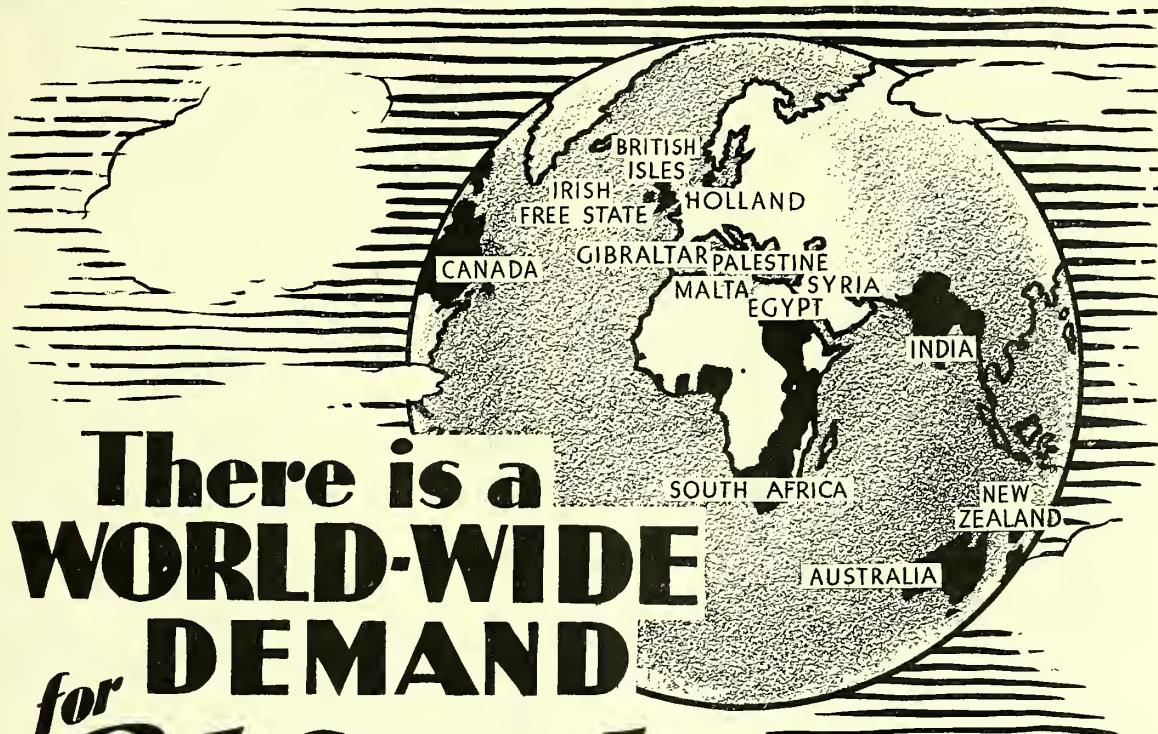
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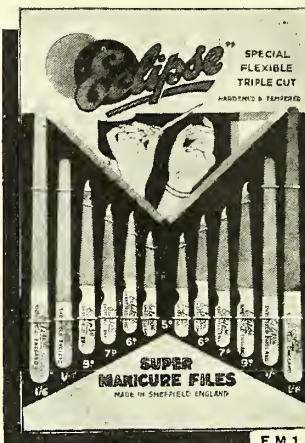
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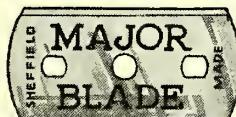
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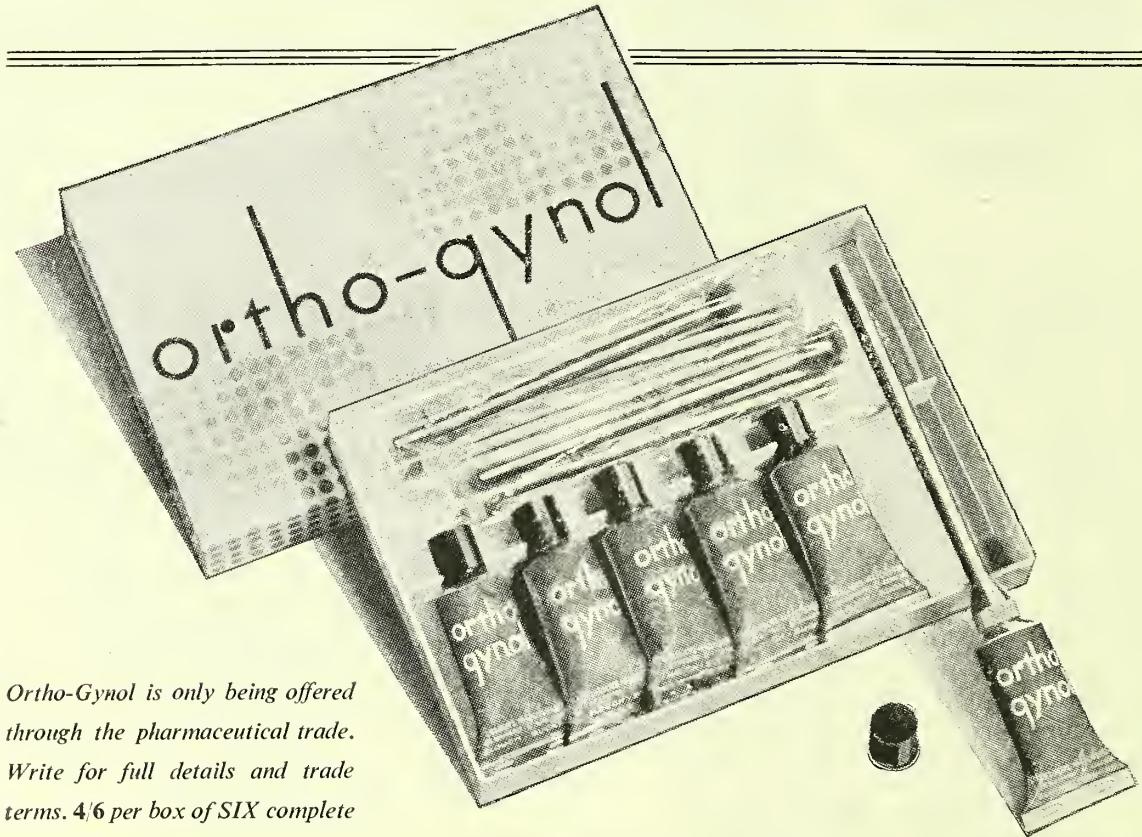
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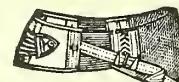
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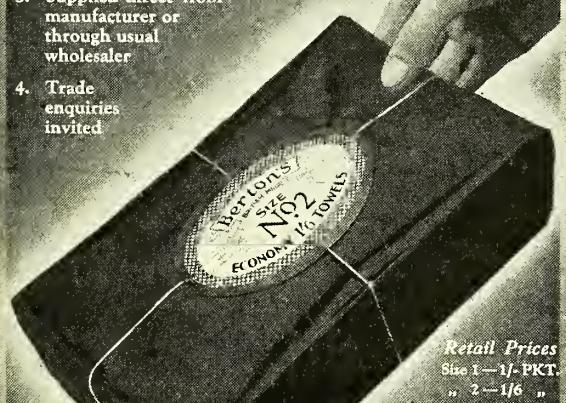
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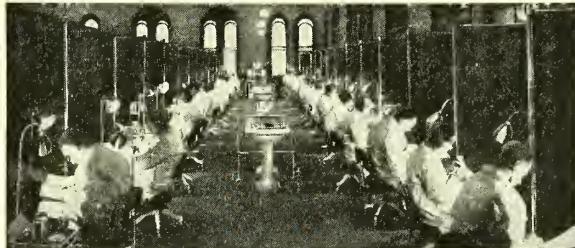
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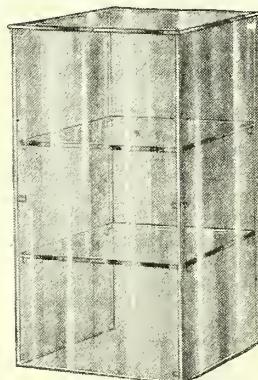
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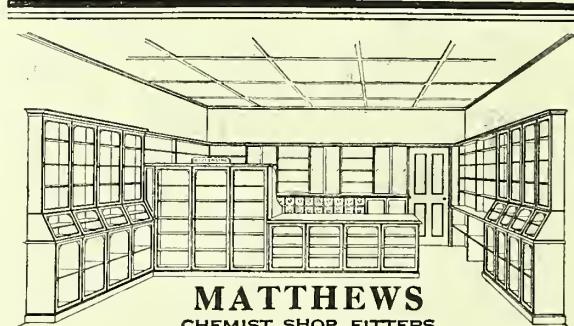
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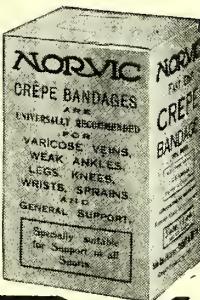
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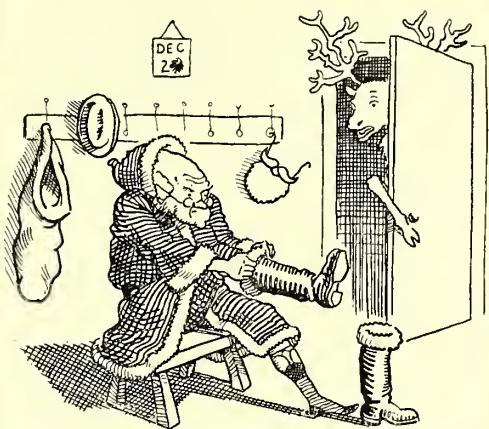
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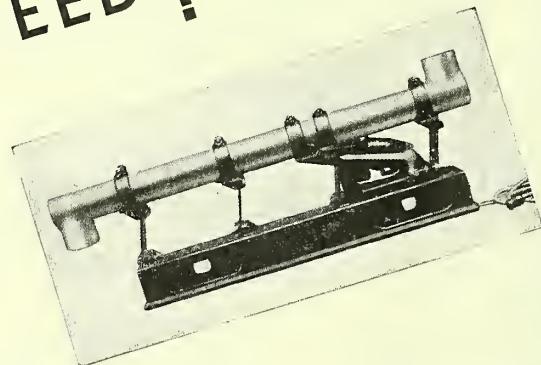
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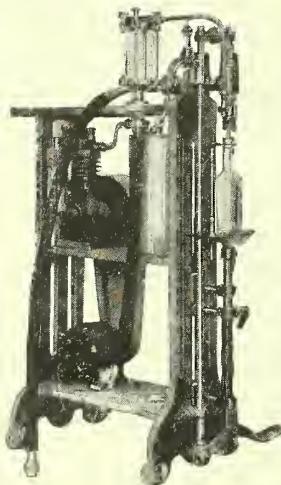
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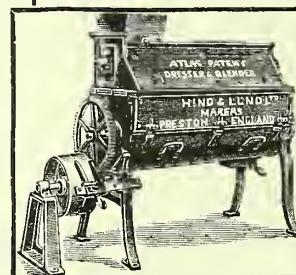
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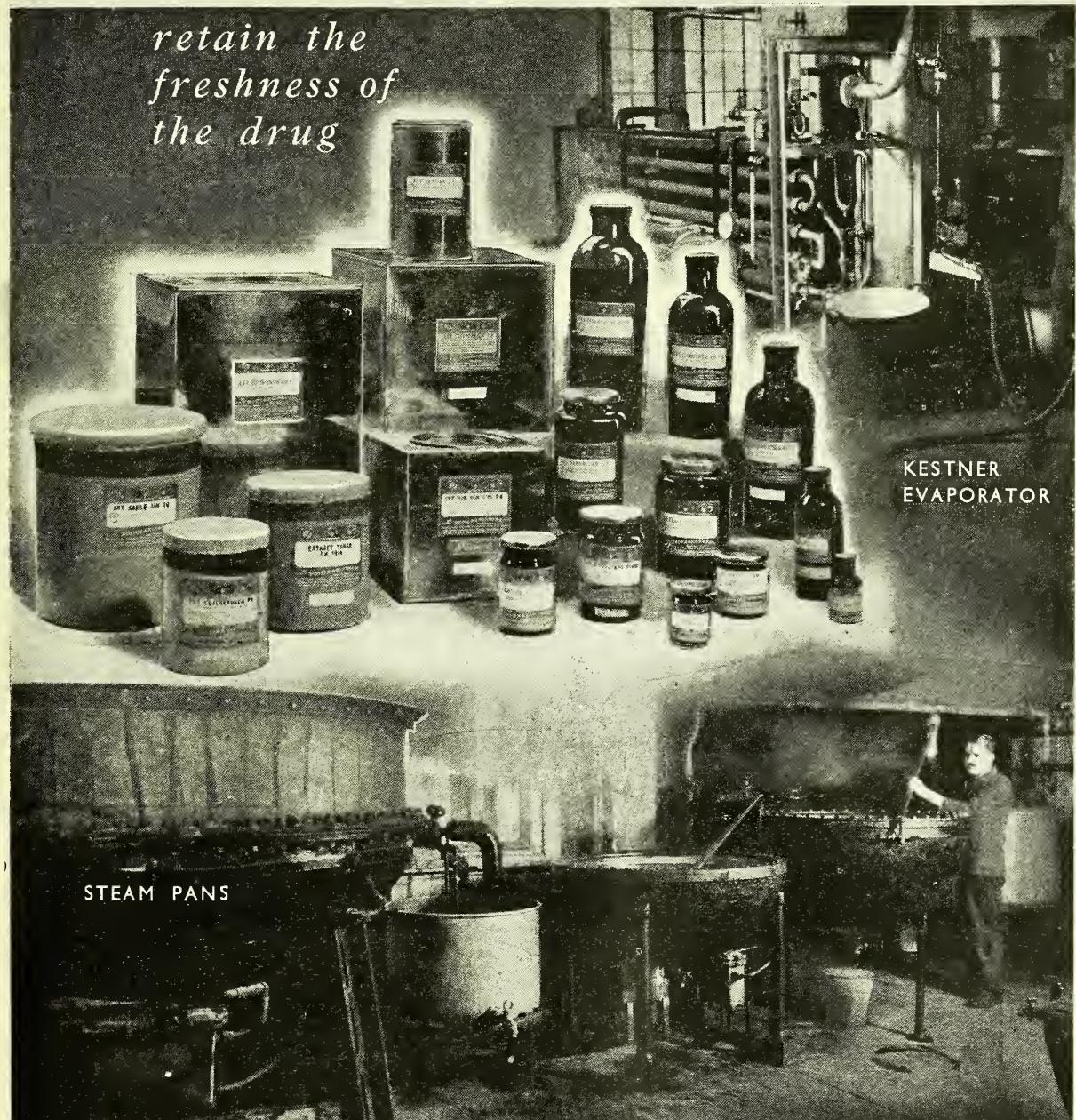
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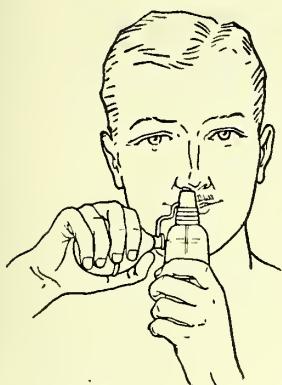
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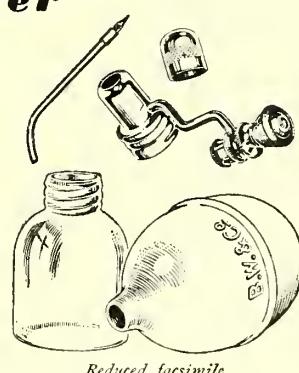
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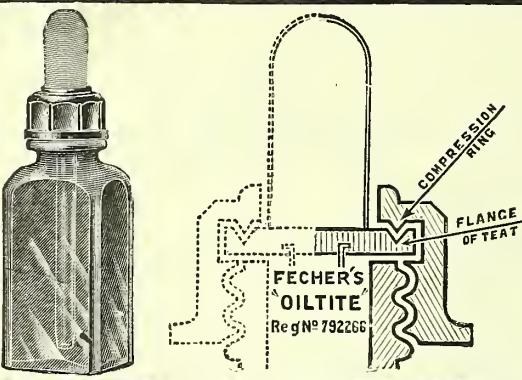
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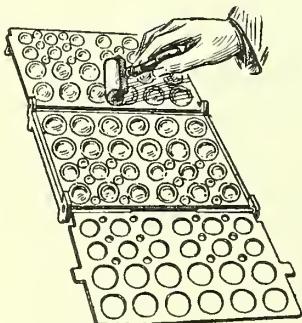


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News of the Week

The Scheduling of Phenylcinchoninic Acid

(From "The London Gazette," November 20, 1934)
At the Council Chamber, Whitehall, the 14th day of November, 1934.

By the Lords of His Majesty's Most Honourable Privy Council.

PRESENT,

Lord President.

Secretary Sir John Gilmour.

Secretary Sir Godfrey Collins.

WHEREAS by Section 2 of the Pharmacy Act, 1868, it is enacted that the several Articles named or described in the Schedule (A) to that Act shall be deemed Poisons within the meaning of that Act, and that the Council of the Pharmaceutical Society of Great Britain may, from time to time, by Resolution, declare that any Article in such Resolution named ought to be deemed a Poison within the meaning of that Act, and that thereupon the said Society shall submit the same for the approval of the Privy Council; and that if such approval shall be given, then such Resolution and approval shall be advertised in the London Gazette; and, on the expiration of one month from such advertisement, the Article named in such Resolution shall be deemed to be a Poison within the meaning of that Act:

And whereas by Section 1 of the Poisons and Pharmacy Act, 1908, it is enacted that Schedule (A) to the Pharmacy Act, 1868, be repealed, and the Schedule to the Poisons and Pharmacy Act, 1908, substituted therefor, and that the said last-named Schedule may be amended by adding thereto or removing therefrom any Article in the manner provided by Section 2 of the Pharmacy Act, 1868:

And whereas the Council of the Pharmaceutical Society of Great Britain did on the 7th day of November, 1934, by virtue and in exercise of the powers vested in them by the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908, resolve and declare as follows:—

"That by virtue and in exercise of the powers vested in the Council of the Pharmaceutical Society of Great Britain, the said Council doth hereby resolve and declare that the Schedule to the Poisons and Pharmacy Act, 1908, ought to be amended by the addition to Part I of the following words:—

Phenylcinchoninic acid, its salts, its esters; derivatives of phenylcinchoninic acid, their salts, their esters; preparations and admixtures containing phenylcinchoninic acid, its salts, its esters; preparations and admixtures containing derivatives of phenylcinchoninic acid, their salts, their esters."

And whereas the said Society have submitted their Resolution for the approval of the Privy Council, and the Lords of the Privy Council are of opinion that the said Resolution should be approved:

Now, therefore, Their Lordships are hereby pleased to signify their approval of the said Resolution.

E. C. E. LEADBITTER.

Newfoundland Revised Customs Tariff

Particulars of the revised Newfoundland rates of import duty, full and preferential, are published in the "Board of Trade Journal," dated November 15, 1934. The large majority of chemicals and medicinal products are scheduled as liable to a full rate of 50 per cent. and a preferential rate of 40 per cent. *ad valorem*. Serums, vaccines, insulin and liver extracts are liable to 10 per

cent. *ad valorem* full duty with free import under the preferential tariff. Dyestuffs and pigments, etc., are liable to 55 per cent. full duty and 45 per cent. *ad valorem* preferential rate.

Public Health Congress and Exhibition

The Public Health Congress and Exhibition, now a biennial event, was opened at the Royal Agricultural Hall, London, N.I., on November 19 and closes on November 24. The opening ceremony was performed by the Minister of Health (the Rt. Hon. Sir Edward Hilton Young), who referred to some of the activities of his Department while Press photographers were firing off their miniature charges. Pharmacists and members of the drug trade will not find many points of contact in either the list of subjects for discussion or the exhibits; but among the stands they may note those of BACTEROL, LTD.; THE DUNLOP RUBBER CO., LTD.; HANOVIA, LTD. (lamps for light therapy); B. L. & N. PHILLIPS, LTD. (vermin killers); SOAPLESS FOAM, LTD. (Zotofoam baths); SOUTHALL BROTHERS & BARCLAY, LTD. (dressings and surgical requisites); UNITED WATER SOFTENERS, LTD. (Permutit).

Control of Retail Trades Suggested

The control and licence of every distributor or retailer of any manufactured commodity was urged by Mr. H. L. Kenward, sales director of the Dunlop Rubber Co., Ltd., in a paper on price regulation read to the Institute of the Motor Trade in London on November 13. In each major industry, he said, a register of licensed retailers or distributors was an essential to the protection of prices. Unrestricted retailing did not create demand; it merely diverted into muddy ruts the water which should run in clear streams. Organisations existed for the protection of retail prices, but all their activities could only be partially successful while the number of retailers was entirely unrelated to the public need. "While Government control of industry is generally an unpopular vision," said Mr. Kenward, "there can surely be no objection to permissive legislation which shall strengthen and recognise the authorised trade associations existing for protection of prices. Were there a defined register of traders, prepared not by any association but by a group of representative manufacturers, distributors and retailers, there would need to be only one punishment for price cutting, that of removal from the register and the withdrawal of the trading licence."

Five-day Week

Sir Richard Redmayne's report on the experimental working of the five-day week at Boots Pure Drug Co., Ltd., Nottingham, may be summarised as follows:—

The working of the five-day week has proved an unqualified success both from the business point of view and from that of the employees, and I am satisfied that if continued over the winter months the results will prove equally satisfactory.

I am of the opinion that the cost in the aggregate has not been enhanced and certainly there has been attained a higher efficiency on the part of the employees.

The effects in regard to enhancement of health and contentment, regularity of attendance at work, and diminution of absenteeism have been very marked since the introduction of the five-day week experiment. The employees themselves are enthusiastic in regard to the experiment and view with dismay any suggestion of a return to the five-and-a-half days week.

Had the working hours per week not been reduced, it would have been necessary, owing to the introduction of labour-saving methods and reorganisation—rationalisation—to have dispensed with a number of workers.

Rationalisation, which cheapens production, also reduces human employment, so unless accompanied by reduced working hours at the same wages might, if nationally employed, prove dangerous to the community.

It is difficult to say how far the experiment is capable of being applied to other industrial concerns, because Messrs. Boots have the advantage of being distributors of the commodities they produce on a large scale.

My opinion is that the experiment might be applied at many works—at large printing works, for instance; and certainly at works where production and distribution are vested in the same concern and where wages do not constitute a

high proportion of the selling price. But each case would have to be considered on its merits.

Inquests

An inquiry was held in South-East London, recently, concerning the death of Allan Evans, formerly of the R.A.M.C. and lately a dispenser at an institution in Peckham Road. Evidence showed that Evans had threatened to kill himself, and that ultimately he took a considerable quantity of hydrocyanic acid. A verdict of "Suicide while of unsound mind" was recorded.

At Liverpool, on November 21, an inquest on the body of Mrs. M. E. A. Hall, Walton, resulted in a verdict of "Suicide while of unsound mind." A medical witness stated that he prescribed veronal tablets for Mrs. Hall, and warned her of the danger of overdoses. It was ascertained that she had taken 600 of the tablets since last March. The jury added a rider condemning the system which allowed the purchase of veronal tablets in large quantities, without blaming the doctor or the chemist in the present case.

At Sutton, Surrey, on November 20, an inquest was held on the body of Mr. Sydney H. Moore, Mulgrave Road. It was stated that a local medical man saw Mr. Moore on November 16, and prescribed an enema, which was made up at a shop in Grove Road. Mr. Moore became drowsy, and on November 17 the doctor and his partner were with him practically all day. On the following day he died from cardiac failure following an overdose of opium. The chemist gave evidence of making up the prescription. It contained what he took to be 3j. of tincture of opium. Mr. Osmond Morris, chemist and druggist, called as an independent witness, said there was in the prescription what looked like either 3j. of tincture of opium or 5j. In his opinion it looked like 3j. The coroner, in recording a verdict of "Death from misadventure," suggested that doctors should be particularly careful in writing quantities, and that in the case of a large dose chemists should make some inquiries of the doctor.

Bath

The annual meeting of the Bath and District Branch of the Pharmaceutical Society was held on November 7. The officers elected for 1934-35 were as follows:—President, Mr. E. W. T. Rogers; Vice-President, Mr. W. J. Hallett; Treasurer, Mr. R. H. Moore; Secretary, Mr. T. J. Cornish; Committee, as for 1933-34, with the addition of Mr. H. G. Hanks (Swindon). The reports of the delegates' meetings at Leeds were presented by Mr. D. J. Williams, who described Mr. Linstead's address, while Mr. W. J. Hallett dealt with Mr. Nethercot's. In each case the discussion was also reported. The following resolution was carried with acclamation: "That this general meeting of members of the Bath and District Branch of the Pharmaceutical Society place on record its appreciation of the services of Mr. Frank Browne, who for many years has been in charge of the British organisation of the Pharmaceutical Society and from which he has recently retired, and directs that a copy of this resolution be sent to the Pharmaceutical Council and to Mr. Browne. The Branch recalls with pleasure his great devotion to duty, and particularly appreciates the great assistance it received from him in connection with the visit of the British Pharmaceutical Council to Bath in 1924." Mr. R. S. Sedgman and Mr. G. T. Kingston proposed and seconded respectively a vote of thanks to the outgoing president (Mr. T. Swain).

Birkenhead

On November 15 the Birkenhead pharmacists held a whist drive and dance in aid of the Pharmaceutical Society's Benevolent Fund at St. Peter's Hall, Rock Ferry. Members and friends present numbered about 220. Arrangements for the evening were efficiently carried out by the president (Mr. Frank Snow) and Mrs. Snow, Mr. G. L. Hale (secretary) and Mrs. Hale. Mr. J. T. Prestou directed the whist drive, while Mr. E. Danson carried out the duties of M.C. in the ballroom. Guests present included Mr. E. Griffiths (Vinolia Co.,

Ltd.), Mr. Mann (Ayrton, Saunders & Co., Ltd.), Dr. Hwfa Williams and Mr. F. Mellor (Evans Sons Lescher & Webb, Ltd.). Mrs. Snow presented the prizes at the conclusion of the whist drive to the following:—*Ladies*—(1) Mrs. A. Davies (fruit spoons); (2) Mrs. A. R. Cook (camera); (3) Mrs. D. Ellis (perfume); (4) Mrs. Osborne (beauty case). Best first half, Mrs. Crossley Jones (perfume). Best second half, Miss Wallace (presentation set). *Gentlemen*—(1) Mr. G. M. Hitchin (cut glass bowl); (2) Mr. D. Parry (dressing case); (3) Mr. T. Hughes (cut glass cigarette box); (4) Mr. E. R. Dodd (Vinolia case). Best first half, Mrs. Welch (Vinolia case). Best second half, Mr. J. L. Hignett (Brylcreem set). Mrs. Broadhurst won a sealed novelty prize. Prizes were given by the following:—Evans Sons Lescher & Webb, Ltd.; John Thompson (Wholesale Druggists, 1921), Ltd.; The Dubarry Perfumery Co., Ltd.; Yardley & Co., Ltd.; Saville Perfumery, Ltd.; Evan Williams & Co.; Ayrton, Saunders & Co., Ltd.; R. Sumner & Co., Ltd.; S. Maw, Son & Sons, Ltd.; Vinolia Co., Ltd.; The County Perfumery Co., Ltd.; The “Sanitas” Co., Ltd.

Birmingham

Mr. E. R. Canning, managing director of W. Canning & Co., Ltd., has been elected chairman of the finance committee of Birmingham City Council.

Councillor R. H. Hume (Cuxson, Gerrard & Co., Ltd., manufacturing chemists, Oldbury) has been elected an alderman of the Birmingham City Council. He is chairman of the gas committee and has been a member of the Council since 1920.

The annual prize distribution and conversazione of the Birmingham Central Technical College was held on November 13. The Lord Mayor of Birmingham presided at the distribution, and Lord Herbert Scott (president of the Federation of British Industries) gave an address after distributing the prizes. The principal of the College (Dr. D. S. Anderson) stressed the need for increased accommodation. The following were the prize-winners in the Pharmacy Department:—

Botany, Stage I.	...	...	J. P. Hill.
			R. T. Grainger.
Preliminary Scientific Course:—			
Chemistry, 2nd Year	...	...	T. J. Hayball.
Chemistry, 3rd Year	...	...	Barrett Wells.
Botany	...	...	Patricia C. Holton.
Chemistry and Botany	...	...	Jesse W. Green.
All Subjects	...	...	David J. Roberts.
Chemist and Druggist Course:—			
Dispensing	...	...	Edward H. Worton.
			Alfred R. G. Trevor.
All Subjects	...	...	Doris M. Upton.
B.P.A. Prize of £5 and Silver Medal	...	...	Raymond Hill.
B.P.A. Prize of £2 10s. and Bronze Medal	...	...	G. B. Sockett.
B. Pharm. Course:—			
Gerrard Gold Medal	...	...	Robert H. Jackson.

In the Department of Pharmacy the donors of prizes included the Birmingham Pharmaceutical Association, Boots, Ltd., Cuxson, Gerrard & Co., Ltd., and Taylors, Ltd.

Blackpool

A meeting of the Blackpool Branch of the Pharmaceutical Society was held on November 8. Mr. H. Hall (president) introduced the speaker, Mr. T. Hardy (a member of the Society's Council), who spoke on poison legislation. Mr. Harry referred to the new rules regarding the registration of pharmacists as authorised sellers of poisons, their liabilities for offences, the labelling and storage of poisons, and the necessity of a certificate for each sale of Part I poisons being produced by any person unknown to the chemist. Interest in the subject was revealed by the number of questions. Mr. Huddart proposed a hearty vote of thanks to Mr. Hardy. It was stated that on December 6 Mr. H. Gartside, B.Sc., would give an illustrated address on “The Preparation of Anti-Diphtheritic Serum.”

Bradford

The Bradford Branch of the Pharmaceutical Society, meeting at the Midland Hotel on November 15 under the chairmanship of Mr. W. Fysh, heard a lecture on

“The Vitamins” by Dr. S. W. F. Underhill, chief physiologist to The British Drug Houses, Ltd. The lecture attracted an attendance of over sixty members, who listened with close attention to the speaker's outline of the nature, functions and adaptability of the vitamins. After the lecture Dr. Underhill was called upon to answer several questions, and was heartily thanked on the motion of Mr. Eric Robinson.

Hanley

The annual meeting of the North Staffordshire Branch of the Pharmaceutical Society was held on November 13 under the presidency of Mr. S. R. Farmer. The secretary (Mr. W. Stanier) gave a brief review of the year's activities, which had again proved very successful. The financial report was satisfactory, owing chiefly to the proceeds of a raffle and the success of the various social events. The Branch viewed with alarm the proposal of the Society to cut down the branches' allowance. The retiring president, in introducing his successor, thanked the members for their loyal support and expressed the hope that the same measure of support would be accorded to Mr. Stanier, who was formerly an apprentice of his. The election of officers resulted as follows:—*President*, Mr. W. Stanier; *Vice-Presidents*, Mr. T. Amson and Mr. G. W. Sherwin; *Treasurer*, Mr. L. W. Pigg; *Secretaries*, Mr. W. F. Redfern and Mr. T. G. Lawley; *Executive*, Messrs. W. H. Kemp, S. J. Mott, E. Corner, S. R. Farmer, J. A. Fairclough, P. Egerton, R. A. Hackney, F. Gartside and H. Moorby.

Hull

About seventy members attended a joint meeting of the local Branches of the Pharmaceutical Society and the N.P.U. to hear Mr. G. A. Mallinson's address on the draft Poisons Regulations. The committee were gratified to see several new members present. The chairman (Mr. R. B. Sawyer) welcomed the speaker, who began with references to the constitution of the Poisons Board. The representatives of experience in retail pharmacy were in the minority, and if there was anything in the Regulations which appeared to be to the detriment of our profession, it was not there through lack of effort on the part of our representatives. The Board's duties were to prepare a list of poisons and to draw up rules. It had not been found really practicable to produce an itemised Poisons List: there had to be grouping to some extent in any list. There was a strong movement to exclude homologues from the List on account of the undesirability of the sale of inefficient disinfectants, but neither that method nor inclusion in Part II would give the desired result. The only method of securing efficient disinfectants was to limit the sale of phenols entirely to chemists. Few chemists would approve of a limit at 45 per cent., but all would agree that this was better than no limit at all. Mr. Mallinson emphasised the importance of several points in the Regulations: for instance, reference to a poison included reference to a substance or preparation containing it, and reference to an alkaloid covered salts of the alkaloid. The labelling provisions were only modifications of the “Labelling of Poisons” order, and the conditions of sale were similar to those at present in force. Rules governing storage would call for no material change, and the transport regulations would hardly concern retailers. Miscellaneous provisions prohibited hawking of poisons and sending samples containing poisons. Schedule II (methods of labelling) established the principle of variations in labelling different classes, and this might pave the way for the compulsory cautionary labelling of potent drugs, which was very desirable. Mr. Mallinson wished it to be remembered that, commercially, chemists were only one section of those who handled poisons; therefore restricting rules had to be considered from the point of view of manufacturers and others who used poisons in their trade or business. There was nothing in the new Rules to worry anyone who had been accustomed to faithful observance of present rules. After refreshments had been served, a discussion followed, and Mr. Mallinson answered a number of questions. Miss Bolton proposed a vote of thanks.

Ipswich

Grimwade, Ridley & Co. (Ipswich), Ltd., wholesale chemists, received a party of members of the Ipswich and District Grocers' Association at their factories on November 7. Following the tour the party was entertained to tea, at the conclusion of which Mr. Grigson, a director, extended a welcome. A vote of thanks to Messrs. Grimwade, Ridley & Co. was carried with acclamation.

Mr. E. H. Simmons (a member of the Society's Council) gave an address on "The Draft Poisons List and Rules" at a recent meeting of the Ipswich and District Branch of the Pharmaceutical Society. Mr. L. Piper (president) was in the chair. Mr. Simmons commenced with an historical survey of pharmaceutical events. After dealing with the constitution of the Poisons Board, he enumerated the notable inclusions in the draft Poisons List and explained the Rules. After questions had been asked a hearty vote of thanks was accorded the speaker, to which he briefly replied.

Leeds

A general meeting of the Leeds Branch of the National Pharmaceutical Union was held on November 13, Mr. H. Gillegan in the chair. The speaker was Mr. H. E. Chapman (general secretary of the P.A.T.A.). In introducing Mr. Chapman, the chairman said the work of the P.A.T.A. should be reflected in the till of the chemists. Mr. Chapman stated that since he was last in Leeds the position had very materially improved. The difficulties of the P.A.T.A., Mr. Chapman said, were increased because of the more general distribution to non-pharmaceutical retailers, and of the multiplicity of wholesale distributors. Since the findings of the Government Committee to inquire into the advisability of price protection had been published the constitution and rules of the P.A.T.A. had been completely overhauled. Mr. Chapman outlined some of the elaborate schemes which were used by the cutters to obtain supplies, and stated that these channels were gradually being closed. He paid tribute to the work of Mr. Armitage, especially during his term of office as president. In conclusion, the speaker asked all retail members to support the P.A.T.A. manufacturer in preference to the non-P.A.T.A. firm, and drew their attention to several important preparations which had been added to the P.A.T.A. List during the present year. It was most desirable that manufacturers who looked after the retailers' interests by joining the P.A.T.A. should, in return, receive some tangible benefit in the form of increased co-operation from the retail distributor. In the discussion which followed, Mr. Gillegan said that they were pleased to learn that the P.A.T.A. Council were enforcing the new rules without fear or favour. He did not agree altogether with the limitation of wholesalers, as, in his opinion, this policy tended to give a monopoly to the large firms. He asked what steps had been taken to ensure that wholesalers did not supply non-P.A.T.A. lines to persistent price-cutters, to which Mr. Chapman replied that practically the whole of the manufacturing and wholesaling members of the P.A.T.A. had agreed to conform to the policy of non-supply advocated by the Council in this connection. In reply to a suggestion made by Mr. Hirst that all P.A.T.A. goods should bear a distinguishing mark, Mr. Chapman explained that this matter had been considered on various occasions by the Council, who, however, had found themselves unable to recommend the general adoption of the procedure. A vote of thanks to the speaker was proposed by Mr. Gillegan, seconded by Mr. Stock, and supported by Mr. Armitage.

Leicester

At a meeting of the Leicester and Leicestershire Branch of the Pharmaceutical Society, held on November 14, Mr. A. L. Bacharach (chief chemist at Glaxo Laboratories) gave an instructive address on "The Use of Vitamins as Therapeutic Substances," illustrated by lantern slides. After indicating the difficulty of definition of vitamins, owing to their great dissimilarity in chemical composition, Mr. Bacharach proceeded to consider them individually. Vitamin A, he said, is not

found in the vegetable kingdom, though β -carotene—the pro-vitamin—is present, and after the consumption of foods containing it by animals and man is afterwards transformed into vitamin A. Animal fats contain it, though the amounts of the actual vitamin (i.e., apart from β -carotene) in milk and butter are only 0.2 and 5 parts per million respectively. Concentrates are now produced containing 95 per cent. vitamin A. Vitamin B plays an undoubted rôle in carbohydrate assimilation, its principal source being dry yeast. Ascorbic acid or vitamin C is able to be synthesised by certain animals, but not by man. The lecturer discussed vitamin D (calciferol), now synthesised as irradiated ergosterol, and vitamin E, the anti-sterility factor. He pleaded in his concluding remarks, which he illustrated by remarkable specific cases, for a broader outlook in vitamin therapy which had been hampered by the too narrow view of vitamins as factors in deficiency diseases only. It was now being abundantly shown that certain diseases, e.g., muscular rheumatism and pyorrhœa, responded remarkably well to vitamin treatment, but it was only by clinical trial that such diseases were now able to be catalogued as "deficiency diseases." Questions were asked at the conclusion of the lecture, and, in reply to a question by Mr. Chamings on hypervitaminosis, Mr. Bacharach expressed the view that such cases were very rare despite much that had been expressed on the undesirability of taking too much cod-liver oil, etc.—the prophylactic and curative doses of vitamins varied within wide limits. Messrs. F. H. Clark and A. E. Young voiced the thanks of the meeting. Mr. S. F. Barford was in the chair.

Liverpool

Mr. T. Edward Lescher (Evans Sons Lescher & Webb, Ltd.) presided at a meeting of skating enthusiasts in Liverpool the other day, when plans for an ice rink estimated to cost about £30,000 were discussed.

Gilbert Nixon, elder son of Mr. Harold Nixon (chairman of Ayrton, Saunders & Co., Ltd.), has gained the Lawrence exhibition at Liverpool College. This exhibition is awarded to the boy gaining the highest marks in the Oxford and Cambridge Higher Certificate examination.

The subject of the W. H. Saunders essay competition this year was "The Relation between the Medical and Pharmaceutical Professions." The winners of the three prizes were:—(1) J. M. Broadbent, Woolton; (2) R. Evans Thomas, Aberystwyth; (3) Ernest Davies, Wrexham. The papers were assessed by Mr. Harold Nixon (Ayrton, Saunders & Co., Ltd.), Mr. H. Humphreys Jones, F.I.C., and Mr. John Butler, B.Sc. (Liverpool School of Pharmacy).

Newcastle-upon-Tyne

A whist drive and dance, organised by the ladies' committee of the Newcastle, District and Northumberland Branch of the Pharmaceutical Society, was held on November 8, and proved a great success, more than 100 members and friends being present. Several prizes, generously given by wholesale houses, were presented to those successful in whist and spot dances. A hearty vote of thanks was accorded to the members of the ladies' committee.

The Newcastle, District and Northumberland Branch of the Pharmaceutical Society met at the Crown Hotel, Newcastle, on November 15. A considerable number of members and students attended. Mr. W. J. Beardsley (a member of the Society's Council) was introduced by Mr. R. H. Dennison (president). After an earnest appeal on behalf of the Benevolent Fund, he delivered an address on "The British Pharmaceutical Codex, 1934." Dealing with the subject under the four headings into which the book is divided, he devoted most of his time to the Formulary Section, discussing a large number of the formulas in detail. The great difficulty of covering so much ground in a short time was overcome in a masterly manner, and the close attention of his audience was a testimony to the lucid handling of various points.

The address was highly appreciated, as was the tribute paid by the speaker to those principally responsible for the book, particularly Messrs. Corfield and Skinner. Mr. Beardsley answered questions to the satisfaction of his audience, and on the motion of Mr. Weddell a hearty vote of thanks was accorded to him.

Nottingham

A largely attended meeting of the Nottingham and District Branch of the Pharmaceutical Society was held on November 7, under the chairmanship of Mr. F. A. Bates, to hear an address by Dr. Cyril Banks (medical officer of health for Nottingham) on "The Spread of Infection." The lecturer dealt with various diseases. A smell, he said, never caused fever though it might point to the cause of it. Dr. Banks also stated that a common cold was never brought about by a draught and that iodine lockets, worn next the skin, were absolutely useless. Questions were asked by Messrs. A. E. Beilby, A. Eberlin, C. E. Reynolds, H. A. Turner, Boothroyd and F. A. Bates and replied to by the lecturer. In moving a vote of thanks Mr. A. Eberlin suggested that it would be a good thing if the medical officers of health were to give public lectures, as they would be the means of dispelling a good deal of ignorance on the part of the public. The vote of thanks was carried with acclamation.

Portsmouth

A meeting of the local Branch of the Photographic Dealers' Association was held at the Fratton Hotel recently, Mr. W. J. Lewis presiding. The chief topic under discussion was the resignation of the Federated Photographic Manufacturers from the Joint Council. It was agreed to hold a further meeting after a report had been received from the delegates to the Conference, Messrs. Barratt and G. Knight.

Satisfactory progress was reported at the recent annual meeting of the Portsmouth Pharmacists' Association, at which Mr. F. Hemming was re-elected for a second year of office as President. Other officers re-elected were as follows:—Vice-President, Mr. W. L. B. Murray; Treasurer, Mr. G. W. Darling; and Secretary, Mr. F. H. Rouff. The financial statement showed a sound balance. Mr. Rouff was again elected delegate to the Portsmouth Chamber of Commerce and also as the local representative of the P.A.T.A., and the General Committee was composed of Messrs. W. R. Atterbury, W. H. Bown, M. Burke, C. Fry, A. W. Goddard, E. D. Lewis and H. A. Mecoy, with the officers.

Rhyl

A meeting of the Rhyl and District Branch of the Pharmaceutical Society was held at the Westminster Hotel, Rhyl, on November 15. Mr. C. R. Dixon (Abergele) presided. Mr. H. Antcliffe (a member of the Society's Council) delivered an instructive address on the draft Poisons Regulations. A discussion followed in which many questions were put to and satisfactorily answered by Mr. Antcliffe. The secretary was instructed to send the following resolutions to headquarters:—

(1) That steps be taken to define the position of persons other than chemists applying for licences, to ensure that those persons do carry on a regular business in agricultural and horticultural accessories.

(2) That the members of this Branch protest very strongly against the proposal to permit the sale by listed sellers of solutions of phenols up to 45 per cent.

(3) That in the opinion of this Branch, ammonia, lin. camph. and aspirin should be added to the list of poisons.

The meeting concluded with a vote of thanks to Mr. Antcliffe proposed by the secretary.

Sheffield

The honorary degree of M.Sc. of Sheffield University has been conferred on Mr. John Evans, F.I.C., Ph.C., the city analyst.

Cambridge University has conferred the M.A. degree on Dr. W. P. Wynne, professor of chemistry in the University of Sheffield.

Mr. H. Antcliffe, member of the Council of the Pharmaceutical Society, has been appointed a member of the Appeal Tribunal representing the Unemployment Assistance Board for Sheffield and District.

At the invitation of the chairman and directors of J. Gilbert Jackson, Ltd., chemists, over fifty guests attended a whist drive and dance at Walsh's Restaurant on November 8, to commemorate the twenty-first anniversary of the formation of the company. The guests were received by Mrs. F. Jackson (chairman), Dr. J. Gilbert Jackson, Mr. A. Preston and Mr. C. P. Gilbert. During supper Mr. J. T. Appleton proposed the continued success of the company. They were pleased, he said, to see Mrs. Jackson among them again. Dr. J. Gilbert Jackson responded on behalf of his mother and the company. Amongst those present were Messrs. H. Antcliffe (a member of the Society's Council), C. H. Hobson and L. H. Siddall (Clerk to Sheffield Insurance Committee). Mr. J. R. Oversby acted as M.C. for dancing. The whist prize-winners were as follows:—*Ladies*, Mrs. Crowe, Mrs. Mitchell and Mrs. Victor Wood. *Gentlemen*, Messrs. Crowe, Greenwood and V. W. Wood. The dance prize-winners were Mr. and Miss Jackson.

Wolverhampton

At a meeting of the Wolverhampton Branch of the National Pharmaceutical Union, held on October 29, the following resolution was passed unanimously:—"That this Branch strongly resents exploitation of their qualifications by makers of proprietary articles who, by destamping their preparations, are retaining all or the greater portion of the stamp duty so saved. They recommend members to withdraw all support from any proprietary article which is now sold unstamped by reason of the disclosed formula exemption clause, unless it bears a gross profit of 33½ per cent. on turnover, irrespective of any bonus or discounts for quantity purchases or display."

Miscellaneous

MERCHANDISE MARKS ORDER.—The Merchandise Marks (Imported Goods) No. 10 Order, 1934 (S.R. & O., 1934, No. 1185: Stationery Office, 2d.) prescribes an indication of origin for several classes of imported goods, including "woven piece goods, wholly or partly of cotton, wool . . . whether or not coated, impregnated, or in any other way treated or operated upon."

"HAT NIGHT."—The opening meeting of the Wallasey Pharmacists' Association on November 19 took the form of a "Hat Night," the president (Mr. J. B. Williamson) in the chair. Questions were in the main confined to methods of dispensing prescriptions, and a member remarked that he liked these "hat nights" because he took some of the prescriptions away and gave them to his apprentices to try for themselves.

IN THE COURTS.—At Spennymoor Police Court, recently, Doris Palmer was fined 40s. for "ringing the changes" at the shop of Mr. R. Hill, chemist and druggist.—At Hertfordshire Assizes, recently, Ernest J. Ashbourne (33), described as a qualified chemist employed by the Country Gentlemen's Association, Letchworth, was sentenced to six months' imprisonment for causing, by false statements, police officers to investigate false allegations and to arrest another man. A concurrent sentence of six months' imprisonment for stealing his employers' money was also imposed.

PROPRIETARY ARTICLES TRADE ASSOCIATION.—The members of the retail section of the P.A.T.A. Council who, by rotation, retire this year are Messrs. J. B. Francis, A. Higgs, N. Pickard and E. H. Simmons. These gentlemen are eligible for nomination and re-election, but Mr. Francis has intimated that he does not propose to stand as a candidate. There is an additional vacancy through the resignation in July last of Mr. W. O. McBryde. It is open to members of the retail section of the P.A.T.A. to nominate candidates for the five vacancies. Nominations will be received by the Secretary, 43 Gordon Square, London, W.C.1, up to and including December 1.

MEDICAL ACT, 1858.—At Marylebone Police Court, London, on November 17, James McGuigan, Granville Place, W.1, was fined £5, with £5 5s. costs, on a charge of wilfully and falsely pretending to be a medical practitioner. The accused denied that he had ever described himself or prescribed as a doctor, and said he had been practising as a manipulative surgeon and masseur for twenty years and had been supported by many medical men in Harley Street. Occasionally people addressed him as "Doctor," but he had always done his best to "live it down."—At Paignton Police Court, on November 16, a similar charge against Captain Horace Barrow, described as a bonesetter, was dismissed with £52 10s. costs against the prosecution. He said that his work was different from that of a masseur and went further than bonesetting. The Bench agreed to state a case.

Irish Notes

Chemists' and Druggists' Society of Ireland

A meeting of the Committee of Management was held at 11 Waring Street, Belfast, on November 15. The following were present:—Mr. Fred Storey (president) in the chair, Messrs. C. Abernethy, H. Johnson, R. Mc Birney, H. McQuitty, E. A. Richey, A. W. Stevenson, D. A. Taylor, S. Gibson and James Macauley (secretary). The president referred to the death of Professor Earls. Most of those present, he said, had attended classes at the Municipal College of Technology, of which he was principal. He would be sadly missed. The president moved that a letter of sympathy be sent to the family; this was seconded by Mr. D. A. Taylor and passed, the members standing. Congratulations were offered to Mr. Storey on his election as president of the Pharmaceutical Society of Northern Ireland and also to Mr. Charles Abernethy on his election to the Council of the same Society. A letter was read from Mr. R. I. Edwards in connection with the Conference fund, and on the motion of Mr. Abernethy, seconded by Mr. Macauley, and passed unanimously, a subscription of £25 was voted to the fund. The president stated that Professor Wren had promised to deliver a lecture, which would be followed by others during the winter.

Brevities

Mr. H. W. Sheridan, Ph.C., is opening a pharmacy in Thomas Street, Sligo.

Cork Fever Hospital has accepted the tender of the Cork Chemical & Drug Co. for medicines and appliances.

Irish Pharmaceuticals, Ltd., are holding their annual dance and reunion at the recently opened Regal Ballroom, Dublin, on December 5.

The window-dressing competition at Lisburn for the Chamber of Commerce challenge cup was won, in the "things to use" section, by A. Boyd & Co., Ltd., chemists.

Mr. John Walsh, an employee of Hugh Moore & Alexanders, Ltd., wholesale druggists, Linenhall Street, Dublin, died in hospital recently from injuries received through falling down a lift shaft.

Mr. James S. Balmer, Ph.C., Bangor, a former people's churchwarden of Bangor Parish Church, has presented the Church with a silver alms dish, which has been dedicated by the Bishop of Derry.

Mr. J. J. Rohan, L.P.S.I., is the superintendent of the business of Matthew Thomas & Co., Ltd., Barrack Street, Cork, and not as stated in the *C. & D.* of November 3. The managing director is Mr. T. M. Hinchy, and the branch establishment in charge of Miss M. Burke, L.P.S.I.

Belfast

The Cancer Research Fund (I.), Northern Ireland branch, has been wound up and a new committee formed. The final resolution of the old committee authorised Mr. Fred Storey, Ph.C., to arrange with Professor J. S. Young, Queen's University, Belfast, to form a committee to take over the assets and liabilities, in-

cluding radium and cash. In pursuance of this resolution, a meeting of those interested was held in the Pathological Institute, Grosvenor Road, Belfast, on November 16. Mr. Fred Storey was unanimously appointed honorary secretary of the new committee. Mr. Storey gave a *résumé* of the position leading up to that meeting. He said that a preliminary meeting was held in 1927 and a strong committee formed. He was appointed secretary and held office till 1930. One of the objects of the committee was to establish a cancer hospital in Belfast, but this idea was abandoned, as the medical profession did not think it advisable. The chairman thanked Mr. Storey for his statement.

In connection with the forthcoming visit of the British Pharmaceutical Conference to Belfast, a successful whisky drive, organised by the ladies' local committee, was held on November 14 in the headquarters of the Pharmaceutical Society of Northern Ireland. The function was the largest yet organised by the Committee, no fewer than forty-six tables playing during the evening. Mr. Fred Storey (president of the Council and chairman of the Local Committee) was present, with Messrs. S. H. Forrest, Charles Abernethy (members of the council), D. L. Kirkpatrick (secretary), and many leading city and country pharmacists. The winners were:—*Ladies*—Miss Corkey, Mrs. McMullan and Miss E. McRoberts, with Mrs. Allen (booby). *Gentlemen*—Mr. E. H. Crozier, Mr. G. H. Kirkpatrick and Mr. J. M. Small, with Mr. A. McClelland (booby). The prizes were presented to the successful players by Mrs. Storey, who is chairman of the ladies' committee, which entertained those present, numbering over 200, to supper during the evening. At the close of the proceedings Mr. Storey expressed the thanks of the committee to all who had contributed towards the evening's entertainment, and a few words were added by Major G. A. Harris, D.S.O. (Ministry of Home Affairs), in which he expressed the hope that the visit of the Conference would be a great success. The drive and the sale of tickets for sideshows in connection therewith realised over £60.

Scottish Notes

The Scottish Pharmaceutical Federation

Under the auspices of the Scottish Pharmaceutical Federation, an interesting address to retail chemists of Glasgow and neighbouring counties was delivered in Glasgow on November 7 by Mr. J. A. Kenningham, organising secretary of the Proprietary Articles Trade Association, Mr. P. M. Duff (president of the Federation) in the chair.

In his opening remarks Mr. Kenningham dealt with the Government Inquiry on Restraint of Trade and the subsequent report which showed that, in the opinion of the Government Committee, the P.A.T.A. was a legal body; the Association now felt that it was in a much stronger position from a legal point of view than in the early days. Following this report the Council of the P.A.T.A. decided to overhaul the constitution and rules, and the Association was now worked under a new constitution and rules. Mr. Kenningham gave a full account of the day-to-day work of the P.A.T.A., particularly in relation to the tracing of goods to the cutter and the difficulties encountered by the Association in this department of its activities. The secretary showed that cutters obtain their goods in many and various ways, and that, as recently stated by a London magistrate, quite an appreciable proportion of the articles sold by cutters are stolen from manufacturers and wholesalers. Particular attention was drawn by the secretary to the latest methods of the cutter to obtain price-protected goods, viz., by getting foreign firms to order these goods for export and then either to have them taken off the ship before it left the dock or allow the goods to reach foreign countries and have them returned to this country by another ship. That this had been done on an extensive scale was proved by the purchase of goods from well-known cutters which were specially coded for export or had export labels. In the opinion of the Association, this showed that its work was proving very effective. The coding of goods by manufacturers and the intercoding

by wholesalers was assisting the Association very materially in tracing goods to cutters. Mr. Kenningham referred to the disloyalty (to use no stronger term) of quite a number of retail chemists who were willing to make money at the expense of their brother chemists by passing goods to cutters. These chemists were very careful to charge correct prices themselves. In conclusion, the secretary appealed for loyalty in the trade.

After Mr. Kenningham had replied to numerous questions, a hearty vote of thanks was accorded to him for his address on the motion of Mr. P. M. Duff, who recommended that all chemists in Scotland should be members of the P.A.T.A. which, in their interest, did a great deal of most useful price-maintenance work. On the motion of Mr. John Weir (vice-president of the Federation), a vote of thanks was accorded to Mr. P. M. Duff for presiding.

Scottish Grocers Underline Their Memorandum

One of the reports presented at the Council meeting of the Scottish Federation of Grocers' and Provision Merchants' Associations held in Glasgow on November 14 (the report of the Parliamentary Committee) contained the following reference to the statement forwarded on behalf of the Federation to the Poisons Board (*C. & D.*, November 10, p. 579):—

"Poisons form ingredients necessary and indispensable and in many cases used in household, farming, agricultural and horticultural pursuits, and no monopoly of sales should be given to chemists, but . . . extended facilities, with due safeguards, should be provided for these articles to be obtained through the ordinary retail distributor. . . . It was urged that just as the committee

appointed some little time ago by the Government had recommended that in connection with all foodstuffs for which standards or regulations had been laid down as to labelling, composition, etc., an invoice from a wholesale supplier to a retailer should constitute a warranty, similarly an invoice from a wholesale supplier in respect of any articles referred to in the poisons list should also constitute a warranty to the retailer that such articles conformed with all the legal requirements as to composition, packing, labelling, etc. The committee desire to express appreciation of the valuable assistance rendered by Dr. Melhuish in advising the committee, particularly with regard to the complicated terms dealing with chemical and medicinal articles."

Brevities

Mr. James Gow, chemist and druggist, has been unanimously elected Provost of Forres (Ross-shire). Of Aberdeenshire origin, Mr. Gow spent some years in business in South Africa.

The annual whist drive of the Edinburgh Chemists' Golf Club was held in the Balmoral Restaurant on November 14, and was enjoyed by a representative gathering of members and friends. Mrs. Brims presented the prizes to the successful competitors as follows:—*Ladies*—(1) Mrs. J. B. Mitchell; (2) Miss Reid; (3) Mrs. Brown; (consolation prize) Mrs. Cuthill. *Gentlemen*—(1) Mr. E. Randall; (2) Mr. M. Stoddart; (3) Mr. H. G. Glass; (consolation prize) Mr. A. J. Wilson. During the evening Mr. J. P. Gibb, on behalf of the members, presented the secretary (Mr. W. H. Chambers) with a silver cigarette case in recognition of his services.

Topical Reflections

By Xrayser

The Pharmacist

has to-day more and better opportunities for getting a good share of the gift business at Christmas, compared with those he had forty years or so ago when I entered the calling. Your three articles (*C. & D.*, November 17, pp. 609-612) are full of valuable suggestions which may yet be turned to practical effect before Christmas shopping becomes acute. All three stress the necessity for getting seasonal atmosphere in the pharmacy; a visit to any of the big stores will convince the most unobservant of what can be done in this direction and how the buying proclivities of shoppers can be stimulated by the bright setting of the goods for sale. The pharmacist is not debarred from following suit because he is a pharmacist, particularly if for the Christmas shopping he is able to devote a section of the pharmacy (or, better still, a room not too far away from the shop) to the display of suitable gifts. A room suitably decorated and warmed, with perhaps a few decent records played softly on the gramophone; a table where customers can write a few words of greeting to be enclosed with their gifts; the offer to pack and dispatch in specially coloured wrapping; the service of smiling assistants who do not unduly press the customer to purchase—all lead to good business. Some three years ago a friend hired a room in his local town hall building and ran a bazaar for the sale of Christmas goods quite apart from his pharmacy. The experiment was such a success that he has repeated it.

A Sorry Day

will have dawned for pharmacy if the local associations are disbanded in favour of branches of the Pharmaceutical Society or of the National Pharmaceutical Union. The associations, as you point out in your leading article (p. 607), have done yeoman service in the past. Many of them are almost as old as the Pharmaceutical Society itself; a few (for instance, Aberdeen) are even older. The work of the associations is somewhat difficult to define. Broadly, they combine the

more professional interests of pharmacy with the business interests. Usually members of the N.P.U. and of the Society's branches can be members of the associations, but all members of the associations are not necessarily members of the Pharmaceutical Society or of the N.P.U.; it will thus be realised that their influence is somewhat broader and their outlook more detached and more independent. The question of finance, or rather support, is no doubt one of some importance; but in my opinion lack of interest in the work of the local associations is the chief cause of their decline in many instances. They should act as watchdogs in much the same way as do ratepayers' associations.

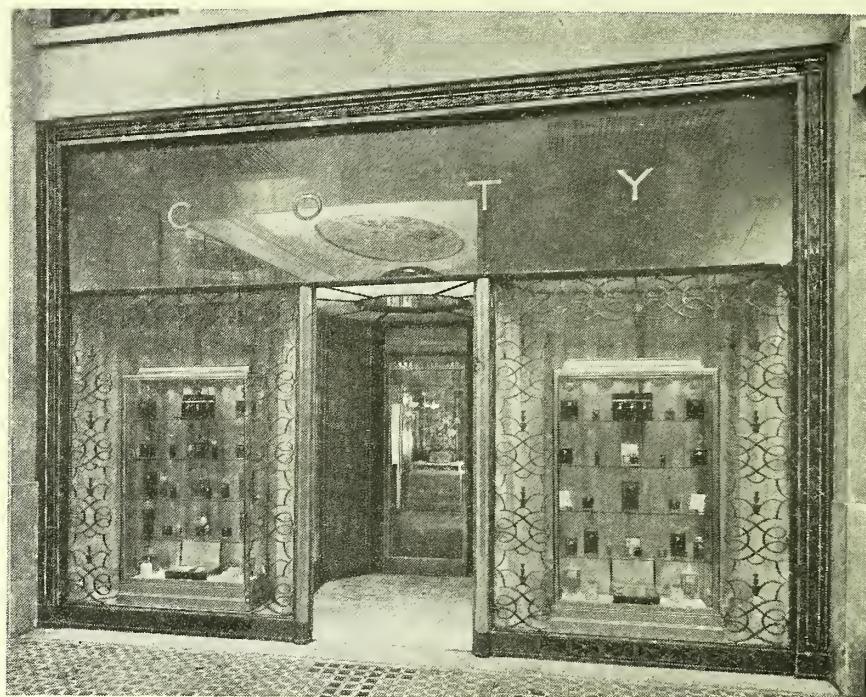
The Chief Objection

I make to the proposed standard pack for pharmaceuticals, suggested at the Conference of the N.P.U. (p. 546) and commented upon by "Home Packer" (p. 621), is that those pharmacists who may adopt such packs will certainly lose their individuality. The basic idea behind the suggestion is that a cheap pack is required to meet the competition of the multiple shops and the bazaars. Those manufacturers and wholesalers who specialise on packing for the retail pharmacist find it difficult to supply packed drugs to meet this competition, principally because the average pharmacist, naturally, requires his name and address on a label which is usually reserved to one pharmacist in one town or one district of a city. Modern methods of marketing mean, very often, that small stocks only are supplied, and so the expense of packing is much heavier than it would be were, say, one gross of a kind taken in one delivery, a quantity which, I believe, is rarely supplied now in one delivery. A standard pack implies a standard range of bottles, which, presumably, could be turned out in huge quantities at a low rate. These could be filled and labelled by mass-production methods, and the resulting pack should be available at a comparatively low rate. In my estimation, the average pharmacist will not lightly agree to lose his individuality.

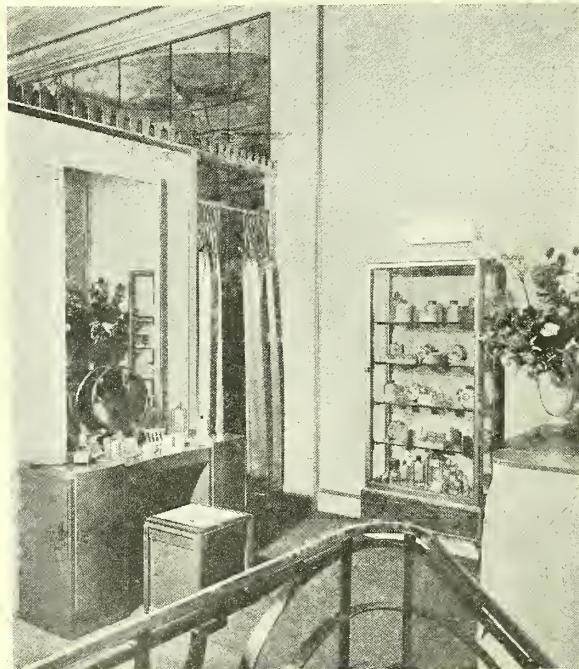
Coty's New West-End Showroom

TWENTY-SEVEN years ago the accidental breaking of a few bottles of perfume acted as a catalyst in producing renown for the perfume manufactured by the late M. François Coty (see *C. & D.*, August 4, p. 168). It was the earnest wish of a large company assembled at 2 New Bond Street, London, W., on November 19, that history would repeat itself. The occasion was the opening of a new showroom of Coty (England), Ltd., and the bottle of perfume was broken by Miss Gertrude Lawrence, the well-known actress, who also cut the red, white and blue ribbon fastened across the doorway. Miss Lawrence, accompanied by Mr. Douglas Fairbanks, jun., was welcomed by Mr. M. R. Greilsamer, the vice-chairman, and Mr. C. C. Valli, the managing director. The front of the shop is decorated with wrought-iron work, specially designed and executed by a French artist. The interior walls are covered with a complete "miroiterie" engraved with original designs, and the central portion of the

ceiling in the salon itself is enriched with a canvas painted by the well-known Parisian artist Paul Vera,



THE EXTERIOR OF THE SALON

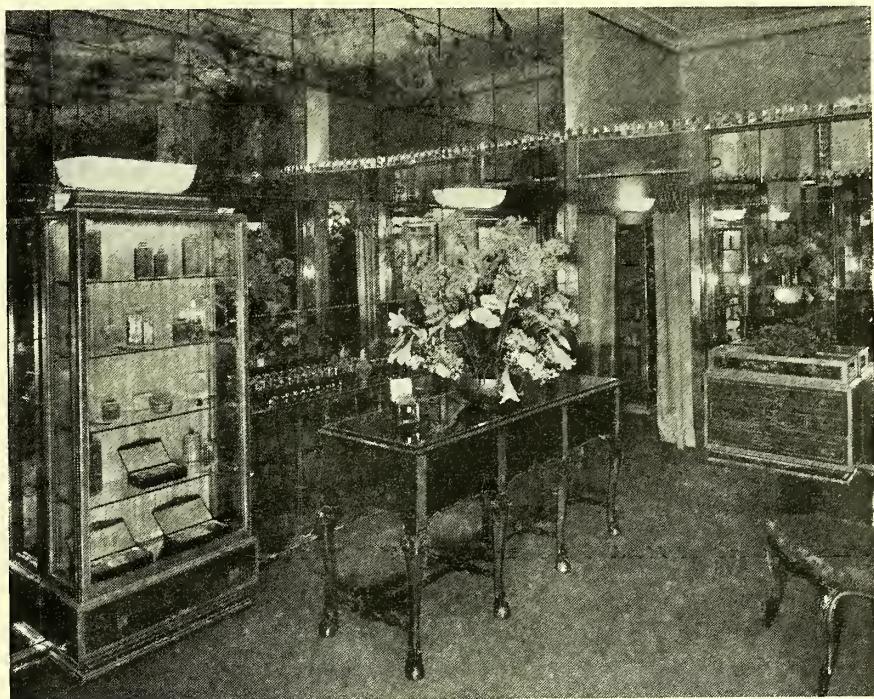


A VIEW OF THE INTERIOR



THE DECORATIVE CEILING OF THE SALON

the whole creating a delightful background for the famous Coty creations. "Personality Perfumes" have always been the Coty ideal, and this Bond Street salon carries the ideal still further towards perfection. If any woman is in doubt as to the perfume which expresses her personality best, a call at the above salon will give her an opportunity of experimenting with the twenty-five Coty creations. A beauty expert will be in attendance to give advice. "It is our proud boast," say the directors, "that this great name has been built up and made famous through the patronage of the discerning woman all the world over, and in opening the Coty salon at 2 New Bond Street we are only repaying in some slight measure, the kind patronage which women have shown. We can therefore assure our patrons that an appointment may safely be made, and it will be our pleasurable duty to show every courtesy as hosts."



ANOTHER SECTION OF THE INTERIOR

A Circular from Dublin

A COMMITTEE set up by the Dublin and Provincial Retail Drug Association is taking active measures to remedy, as far as possible, several outstanding disabilities from which retail chemists all over the Free State are suffering. Problems which this Committee are now tackling include:—

(1) The growing and pernicious system of discounts to guilds. This evil is being fully explored with a view to evolving a satisfactory policy that will safeguard the rights of members of the Association.

(2) The indiscriminate sale by many wholesalers of chemists' lines to non-chemist traders all over the country.

(3) The restriction of direct sales of medical and pharmaceutical goods to institutions, medical men and nurses, and of staff sales by wholesale houses.

In connection with the guild discount abuses the Committee have been in correspondence with some of the larger guilds. The replies were not satisfactory, and the matter has now been taken up with the chemists on the guild lists with a view to evolving a line of policy of mutual protection and interest to the profession. A determined effort will be made now to organise chemists solidly against the abuses of this system of heavy discount demands.

The practice of some manufacturers and wholesalers of selling chemists' lines indiscriminately to any and every shopkeeper is to be combated. As a first step in this campaign chemists all over the country are asked to co-operate by supplying the Committee with the fullest information regarding the sales by non-chemists of pharmaceutical lines in their districts. With this object in view a circular letter in the following terms has been sent out by Mr. R. J. Kidney, secretary of the Association:—

At the annual meeting of the Dublin and Provincial Retail Drug Association a Committee was appointed to investigate, report on and advise the best means of checking the growing menace of the distribution of medicinal and toilet goods through other than the chemists' shops. It was the unanimous opinion of the meeting that the time was opportune for a

firm stand against the manufacturer, who, in his anxiety to get distribution at all costs, pushes his goods into grocery, drapery, hairdressers and hucksters, after using the knowledge, training and status of the chemist to put his product on the market. It was fully realised that, in the country particularly, the wholesale grocers' traveller was difficult to control, but plans will be prepared in the near future to curb his activities and to see that the distribution of heavily advertised proprietary medicines and toilet articles is confined to the chemist.

This letter is addressed to every member of the Dublin and Provincial Retail Drug Association, and the Committee are asking the loyal support of every member in what may be a long and difficult fight with agents, wholesalers and manufacturers, but one in which success is assured, and a much needed measure of prosperity restored to our business if our members realise their power in an organised demand for their rights. The Committee will be glad to receive from members a list of legitimate chemists' lines sold in all shops, other than chemists in their area, the names, if possible, of firms who supply goods to these shops, their views and suggestions, and their pledge of loyal support in this campaign.

In addition to this letter to the members of the Association a *questionnaire* has been addressed by the Committee to leading manufacturers and wholesalers inquiring how far they were prepared to co-operate in making sales to chemists only, curtailing direct sales to hospitals, institutions, medical men and nurses, and cutting out staff sales. When all the necessary information has been received the Committee will recommend a course of action to deal with the problem.

BRITISH PHARMACEUTICAL CONFERENCE.—The current issue of the "Quarterly Journal of Pharmacy and Pharmacology" (23 Bloomsbury Square, London, W.C.1. 10s.) contains the official report of the proceedings of the British Pharmaceutical Conference at its Leeds meeting last July, together with the text of the papers presented in the Science Section.

THOSE DISTRACTING CHEMISTS' SHOPS.—"He [the careful driver of a motor car] cannot let his eyes wander to look for beacons (unlighted) on the pavement; he cannot, on a foggy night, see the studs or painted lines; and he has difficulty in picking up the signal lights in the welter of lit-up shop windows, neon-signs (generally red), chemists' shops, and other distractions."—A correspondent of "The Times."

The Chemist's Shop

From the other side of the Counter

We invited a man and a woman, both of whom may be classed as typical everyday customers, to tell us frankly what they think of "The Chemist's Shop." We do not necessarily agree with the statements made in this, the first contribution by the man, but we believe the viewpoint of these average customers will be interesting and possibly helpful to our readers. Next week we propose to publish the angle from which a woman views "The Chemist's Shop." We shall be pleased to receive brief comments from our readers on these contributions for publication at a later date.—EDITOR.

MY qualifications for accepting the invitation to subscribe my views on "The Chemist's Shop" are that I am not a chemist, while I may have a fair knowledge of other retail trades. I am what may, I think, be termed an average customer of the chemist's shop. True to type, I must plead guilty to an almost entire ignorance of the qualifications necessary to hold the title of "chemist"; I am bound to admit that I am more interested in the shop than in the chemist and his profession. As an ordinary man in the street, I should possibly ignore the cleverest and most learned chemist in the country if he kept a dowdy and out-of-date establishment, whereas the attractive window and pleasing interior of an establishment run by a beginner would no doubt command my attention—and, possibly, my custom. To-day, I am afraid, it is the shop, as a business, and not so much the chemist, as a professional man, that brings success.

Looking back over some twenty to thirty years I cannot suggest any class of retail business that has undergone such sweeping changes in character as that of the chemist. In the nineteen hundreds I remember the old pear-shaped bottles of coloured liquid predominated for the public to gaze upon; they were to me something in the nature of a sign of confidence. These professional ornaments, together with an array of mysterious jars and usually a few cards of tooth-brushes and cubes of camphor, boxes of soap and a pile of sponges often comprised the window. The chemist's shop was

Then where one went mostly of necessity and not by desire, much less by invitation through the medium of an arresting display of goods. It was still his custom to follow his profession to the limit by making-up the majority of his medicines, ointments, pills, etc. Toilet articles and cosmetics were still of very minor importance; they were looked upon as luxuries with the demand coming from the few and not from the million, as is the case to-day. In those seemingly far-off days it was the chemist and not his shop that mattered; his success or otherwise in business largely depended upon his reputation for professional skill. I should not be surprised if at least 75 per cent. of his custom called for the practice of his art as a chemist, as distinct from that of a shopkeeper. The position to-day is very different. Whether it is **and** satisfactory to the chemist I do not know, but the revolutionary changes in the character of his business have been inevitable. To-day I should think it extremely doubtful if a chemist could exist, much less thrive, if he confined his activities strictly to his art. In the first place the scope of his business has changed and widened considerably, particularly in cosmetics, perfumery and toilet articles, which now must surely form one of his foremost departments. As to the medicinal side of his business, due to the hundreds and ever-increasing number of patent medicines and packed remedies and branded foodstuffs on the market, most of which are widely advertised in the national Press, possibly eight out of every ten of his customers' medicinal requirements are met by simply passing over the counter an article already **Now** made up and neatly packed. Undoubtedly, the chemist still needs to be a qualified man, but the public demand for his service as such is gradually diminishing. At least, that is my opinion from careful

observation. It seems, therefore, essential that he should cultivate, I might almost say concentrate, his activities on widening the scope of his business as much as possible in other directions. Briefly, he must be content to become predominantly a shopkeeper, competing on equal terms with the grocer, the hairdresser, the chain stores and the big general emporiums. To do that to-day he must employ modern methods of retail trade.

My Ideal Chemist's Shop

When at infrequent intervals I have been "off-colour" I have bought a bottle of somebody's cough cure or nerve tonic, which an enlightened and strictly truthful national Press has impressed upon me as being an instant cure, but at the same time has adjured me to purchase the larger size, as it contains three times the amount of the small size!! On the very few occasions of serious illness I have naturally sought the advice of a doctor, who has not only prescribed for my trouble but has made up the medicine as well. My readers will be in a position to judge whether this is now more or less general; in my opinion it is. Despite such circumstances I must have full confidence in my chemist as a competent adviser on minor ailments. In this connection there is "the personal touch," which, to my mind, is one of the chemist's most valuable assets. Through it he secures my custom in all those other articles and products which I might purchase elsewhere. Thus my custom at the chemist's shop is largely for toilet articles, such as tooth-brushes and paste, lotions, shaving tackle and bath preparations, etc. I could get the majority of these goods elsewhere, but I prefer to deal with a man who should know the good from the indifferent and be able to advise me accordingly. I like a chemist's shop to have a department that caters for a man's requirements in these respects. I make it a practice when going in for, say, a tube of tooth-paste to have a look round and see what new aids to a man's comfort and laziness are available. I believe the majority of men dislike being served at a "general" counter.

If I were a Chemist

If I were a chemist in business to-day I should naturally be proud of my profession and jealous of its fair name, but I should endeavour to remember that, to succeed in carrying on the business of a chemist's shop, I must, of necessity, compete in selling to the public a very wide range of products and articles that are not under the sole charge of my profession. My programme would be laid out on lines to suit the class of neighbourhood in which my shop was situated, but that would not materially affect my general policy. Whether it be in the High Street or in a residential suburb, a large industrial town, a cathedral city or a small provincial town or village, inland or at the coast, are points that only indicate a different class of trade and type of customer. I should certainly give careful consideration to these matters, aiming at catering for the demand, whatever it may be. First, my shop must be as modern as that of any other shopkeeper; the outside appearance bright and attractive, with a window or windows that would give first-class results when properly dressed. I should, if space permitted, break up my window displays to clear-cut

sections of my business, allotting space according to my customer. For instance, if I found that 40 per cent. of my trade was in toilet and cosmetic goods I should give proportionate window space to such goods and similar treatment to photographic goods, patent medicines, foodstuffs, etc. If the window space was insufficient for such treatment I should change the displays as frequently as possible, showing one or more sections each time, based on my trade. While I should give due prominence on the outside of my premises to the fact that I was a qualified chemist, my jars and bottles and other professional paraphernalia would be relegated to a somewhat "back-stage" position in the interior. I should consider some form of outside or window neon lighting essential, with hidden diffused lighting for window illumination desirable.

Showcards

I should carefully study the hundreds of showcards obtainable from the manufacturers, and I should endeavour to have a service of special display cards designed by experts and aiming at modernity and quality. The layout of the interior and the arrangements of the goods would call for very close examination and possibly expert advice. I realise that, beyond the ordinary chemical products, a chemist is almost bound to keep a wide range of named and packed medicinal goods; then there are the thousand and one toilet, cosmetic and perfumery articles, photography section and sundries. Again, as in the case of the windows, I should, so far as space permitted, and *without overcrowding*, arrange sections for each class of goods, or, alternatively, give each a special display, according to their importance and season. I cannot conceive that a window or a shop that is a bit of everything, all mixed together, can possibly be made attractive or be inducive to better business. For that reason I do not think a very small shop can hope to do anything like the volume of business of one where there is a fair amount of elbow-room to carry on such a miscellaneous trade as that of a chemist's, as we know it to-day. My readers are pro-

bably fully alive to the problems they have to face in their businesses, but I wonder if they really do appreciate the two salient points as I see them.

Salient Points

First, that during the past few years the business of a chemist has changed out of all recognition. Secondly, that the present is the time to educate the public by continuous display into the habit of purchasing from the chemist that very wide and constantly growing range of toilet and cosmetic articles. This is more or less a new industry, and the consumption of "make-up" and similar aids to "beauty" must be enormous. I assume that the profit is fairly satisfactory, and that in these lines a chemist, if he uses the right sales propaganda in his shop and windows, should, by reason of his qualifications, have some "pull" over the ordinary trader. I don't think the public have yet made up their minds where is the right place to purchase these goods; at present it is distributed over a number of different classes of trade. Eventually it will settle down either as a chemist's business or that of hairdresser or general stores. The opportunity is there. It is, in my opinion, the chemist's rightful business, but he will have to make just as great a study of face powders and creams and the like as he did when "swotting" for his professional degree, but with this difference—he will have to devote his energy and enterprise to salesmanship in a competitive market. I mentioned, in briefly recalling the pre-war chemist, that very probably quite 75 per cent. of his custom called for the practice of his art as a chemist as distinct from that of a shopkeeper. Is it too much to hazard that, to-day, the position is just about reversed, and that as time goes on his success in business will even more depend upon his ability as a shopkeeper? It is possible that some of my readers may disagree with, and perhaps be offended by, my observations in this article. Let me assure them they are simply the frank opinions of an ordinary tradesman as gathered from "the other side of the counter."

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

MOTT & COMPANY, LTD. (P.C.)—Capital £2,000. Objects: To acquire the business of a chemist and druggist carried on by Wm. Buchan at Heron Cross, Fenton, Stoke-on-Trent, as "Mott & Co."

ROBERT MATHIESON (INNERLEITHEN), LTD. (P.C.)—Registered in Edinburgh. Capital £600. Objects: To acquire the business of a chemist carried on by Robert Mathieson at 31 High Street, Innerleithen.

WILKINSON'S PHARMACY, LTD. (P.C.)—Registered in Dublin. Capital £500. Objects: To carry on the business of chemists, druggists, etc. William G. Wilkinson, Market Street, Monaghan, governing director.

FISONS' FERTILISERS (WESTERN), LIMITED (P.C.)—Capital £100. Objects: To carry on the business of manufacturers of and dealers in fertilisers of every description and chemicals. R.O.: 5 Gipeswyk Avenue, Ipswich.

SEDWAYS, LTD. (P.C.)—Capital £1,000. Objects: To acquire the business of Sedways Sales Service carried on by Commercial Development Services at 50 Lincoln's Inn Fields, W.C.2, and to carry on the business of chemists and druggists, etc. R.O.: 50 Lincoln's Inn Fields, W.C.2.

BRITISH ROTOTHERM COMPANY, LTD. (P.C.)—Capital £12,500. Objects: To acquire the benefit of a licence relating to a temperature-reading apparatus known as "Rototherm" now granted to Corfield, Ltd., of Trafalgar Works, Merton Abbey, S.W.19, and to carry on the business of inventors and manufacturers of and dealers in instruments for ascertaining and/or recording temperature, etc.

FRANK S. MERCER (TOOTING), LTD. (P.C.)—Capital £200. Objects: To carry on the business of chemists, druggists, opticians, etc. R.O.: 45 Graham Road, Mitcham.

ANGLO-PERSIAN OMA, LIMITED (Public Company)—Capital £12,000. Objects: To acquire from Sydney P. Cane (a) a secret formula or process for the manufacture of a cosmetic known as "Oma," and the sole and exclusive right to manufacture and sell the same in Great Britain and Northern Ireland, and (b) a freehold factory at Bramley, Surrey, known as St. Joseph's Works, and to carry on the business of manufacturers of and wholesale and retail dealers in restorers, cosmetics, creams, soaps, perfumes, etc. Solicitors: Swann, Hardman & Co., 10 Norfolk Street, W.C.2.

B. LAPORTE, LTD.—Interim dividend of 5 per cent. on the ordinary shares declared.

WILLIAM ALLEN (CHEMISTS), LTD.—At a meeting held in London recently it was resolved that this company be wound up voluntarily. Mr. W. J. Gilbert, 61 Fore Street, London, E.C.2, was appointed liquidator.

Gazette

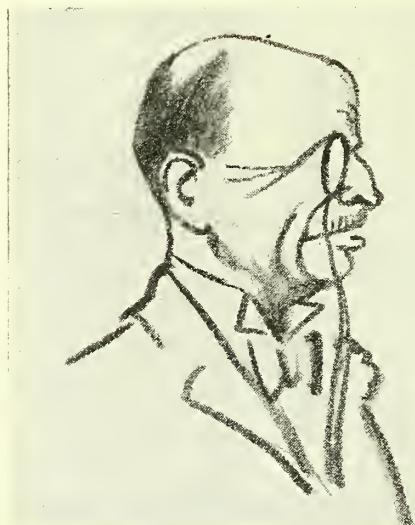
Partnership Dissolved

BAMFORD, H., FINN, P. J., SCHLEIFER, M., and WOOLFE, J., Brookhouse Laboratories, Blackburn, manufacturing chemists, under the style of Bamford Finn & Co., so far as concerns M. Schleifer and J. Woolfe.

Bankruptcy Acts

ADJUDICATION

MORRIS, S. R., 4 Sterry Road, Goverton, Glamorgan, chemist and druggist.



Mr. DAVID T. JONES
Passes the compliments on to the Committee

YEAR by year the dinner and dance of the Western (London) Pharmacists' Association establishes itself more definitely as the most enjoyable of the many functions of the winter session; and the forty-fourth of the series, held at the Trocadero, W.1, on November 15, again set up a record in this respect, with an even larger attendance than the corresponding event of last November. The president of the Association (Mr. David T. Jones) was in the chair, and with him at the chief table were Mrs. David T. Jones, Mr. John Keall (president of the Pharmaceutical Society) and Mrs. Keall, Mr. E. A. Atkins (chairman of the Executive of the National Pharmaceutical Union) and Mrs. Atkins, Dr. F. W. Crossley-Holland (chairman of the British Pharmaceutical Conference) and Mrs. Crossley-Holland, Mrs. Beardsley, Mrs. Berry, Mr. and Mrs. C. H. Foster, Mrs. Freke (member of the Pharmaceutical Society's Council), Mr. W. Gray, Dr. C. H. Hampshire (secretary of the Pharmacopeia Commission) and Mrs. Hampshire, Captain and Mrs. J. J. G. Hay, Miss Hodgkinson, Mr. G. A. Mallinson (secretary of the National Pharmaceutical Union), Mr. A. R. Melhuish (past-president of the Pharmaceutical Society and member of its Council) and Mrs. Melhuish, Mr. C. A. Noble (member of the Society's Council) and Mrs. Noble, Mr. Herbert Skinner (past-president of the Society and member of its Council) and Mrs. Skinner, Mr. W. E. D. Shirtliff (treasurer of the Association) and Mrs. Shirtliff, and Mr. and Mrs. G. A. Tocher. The spur tables were in charge of Messrs. E. C. Evans, G. W. Evans, P. D. Goodwin, R. Baldry, W. T. Pratt, Clifford Evans and H. C. E. Glover; and among others present were (with their accompanying guests) Mr. William Chalmers, Mrs. G. W. Evans, J.P., Mr. W. B. Falding, Miss Dennis Hayes, Mr. W. Knott, Mr. Harry Martin, Mr. H. G. Mumford, Mr. F. A. Noble, Mr. D. J. Parry, Mr. John Royle, Mr. Philip Royle, Mr. Gwilym Thomas, Mr. B. R. Wilkinson and Mr. P. S. Windwood. In the interval between one meeting of the British Pharmaceutical Conference and the next, the *bonhomie* of the Western dinner is the nearest thing, for Londoners, to the Conference atmosphere,



Mr. E. A. ATKINS
Is seen but not heard

and subject to limits of time and place one can meet all one's friends in pharmacy. At the Trocadero on this occasion all went without a hitch—even the *Æsculapian* serpent and rod in ice which pursued its triumphant career round the room during dinner. The toasts, as is the Western custom, were reduced to—shall we say?—the minimum. The first, that of "The Pharmaceutical Society," was submitted by Mr. Clifford Evans (social secretary) in brilliantly apposite terms that made his audience sit up and take notice. The pharmacists of the Western Association, he remarked, did not hesitate to criticise the Council of the Society when they thought they knew better than that body, but they counted themselves among its most loyal supporters. The profession was never more in need of men of vision and fore-

Mr. C. A. NOBLE
Has a thinking part



sight than at present: he believed they had such men. Great credit was due to the representatives of pharmacy on the Poisons Board for their share in evolving the draft Poisons Regulations; and the Council, he thought, might use its influence to obtain a simplification of these Regulations. When the time came to remove to the new headquarters (which, he was sure, would be worthy of the highest traditions of pharmacy), he hoped that one article of furniture from 17 Bloomsbury Square would be preserved—the "funk form." (Laughter.) He was glad that Mr. Keall, whose work he highly praised, was a member of the Western Association, to which all the best pharmacists belonged. Mr. Keall, responding, paid the proposer of the toast the compliment of putting aside a prepared oration and speaking extempore. He knew, he said, that Western pharmacists were capable of criticism, but he thanked them for their confidence in the Council at the present time. It was realised that the Poisons Board would have to deal with a number of conflicting interests; he thought, however, that the question of simplifying the Regulations might be left to those responsible. Pharmacists would probably not obtain all they thought they were entitled to, but they would find that their representatives had put up a very good case. The new headquarters presented a very important and serious problem: he believed the Council was doing the right thing in building for the credit of pharmacy. He had no great amount of worry on this subject from the financial point of view: something should be left to posterity. The name of Mr. A. R. Melhuish would always be associated with the building, and pharmacy was under a great debt to him. An honoured position must be found for the "funk form"—(laughter)—and in this connection he would mention that there were many relics of the greatest interest which would be wanted at headquarters. He looked forward to increasing subscriptions to the Benevolent Fund, and to the maintenance of the closest contact with other organisations working for the benefit of pharmacy. The only other toast, "The Western Pharmacists' Association," was proposed in a witty speech by Dr. Crossley-Holland, a Western member, as he told the company, of twenty-six years' standing. The Western Association had provided an

Dr. C. H. HAMPSHIRE
Meditates on the next B.P.



Is paternal and leaves something to posterity



Mr. JOHN KEALL

N.P.U. can get us out"—one of the biggest "scores" of the evening. They welcomed, Mr. Jones continued, the wholesalers present; and he read two apologies for absence—a telegram from Mr. W. J. Beardsley, who was "on duty" elsewhere (urging, no doubt, the claims of the benevolent fund), and a letter from Dr. J. Stanley White. He paid a well-deserved tribute to the committee, and especially to Mr. Clifford Evans, for their work in arranging the dinner. After this the room was cleared for dancing. A word of praise must be given to the entertainers, Miss Madge Wickham (soprano). Mr. Harry Brunning (comedian) and Miss Nora Drake (accompanist).

THE SOCIETY OF CHEMICAL INDUSTRY IN BASLE has celebrated its jubilee by the issue, for private circulation, of a handsome brochure of eighty-five pages setting forth the history of this well-known corporation with numerous illustrations, some of which are coloured. The origin of "Ciba" is traced, indeed, some years further back; it is recorded, for instance, that in 1863 the authorities of Basle were advised to forbid the manufacture of fuchsine, which was said to have caused the poisoning of the subsoil in the neighbourhood. A new site was first used in 1864, and this is still in possession of the company. From this beginning the history is related till the reader realises the world-wide connections of the present day. The statistical record is very complete.



Dr. F. W. CROSSLEY-HOLLAND

Draws on his fund of after-dinner stories

excuse for staying out late on various occasions: it had also given many notable men to pharmacy. Indeed, it had done more than any other association for the good of pharmacy. The toast was accorded with musical honours. The genial president, in reply, sketched in reminiscent vein the evolution of the social events of the Association, adding that the committee told the president what not to say. (Laughter.) He welcomed the principal guests individually, mentioning by name members of the Council of the Society, the chairman and secretary of the National Pharmaceutical Union, the chairman and ex-chairman of the British Pharmaceutical Conference, and presidents of other associations. Parenthetically he remarked, "If the Society get us in a mess the

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Brighton, Hove and Portslade Public Medical Service

A MEETING of the medical practitioners of the Brighton, Hove and Portslade district was held at Hove Town Hall on November 8, when draft arrangements for the proposed public medical service were considered. There was an animated discussion and a fire of amendments, but the scheme was approved and adopted, subject to the proviso that chemists should discontinue counter prescribing, which condition is now under consideration by the Joint Subcommittee. The doctors say that as they are losing part of their capitation fee by admitting chemists, in return chemists should send them more patients. It is hoped that some amicable arrangement will be agreed upon. The conditions of service are as follows:—

TERMS FOR PHARMACEUTICAL SERVICE

(1) All dispensing shall be done by the chemists and at such hours and places as are arranged with the Insurance Committees for the respective areas for dispensing under the N.H.I. Acts.

ADMISSION

(2) The Pharmaceutical Service shall be open to registered pharmacists and limited companies with registered superintendents carrying on business in accordance with the Pharmacy Acts, in the area of the Service, and who shall apply to the Committee of this Service.

WITHDRAWAL

(3) A person or firm shall be entitled at any time to give notice to the Committee of the Service that withdrawal from the list is desired, and the name shall be removed therefrom at the expiration of three months or of such shorter time as the Committee may agree.

PRESCRIPTION FORMS

(4) Prescriptions must be written on special forms to be provided by the Committee, which will remain the property of the Service.

EXCEPTIONS FOR DRUG BENEFIT

(5) (i) The current National Formulary and the N.H.I. Drug Tariff, with the exception of Part 4 (Appliances) shall be recognised in the Service.

(ii) The following drugs and appliances shall be excluded from benefit:—Liquid paraffin, cod-liver oil, cod-liver oil and malt, salvarsan and any substitute which is for the time being approved by the Minister of Health, vaccines, serums, insulin, calf lymph, proprietary medicines and foods, materials required for poultices and dressings, all appliances including those listed in the Drug Tariff Part 4, and such other drugs or preparations as may be determined from time to time by the Committee of the Service.

DRUGS SUPPLIED WITHOUT CHARGE

(6) All drugs and medicines prescribed, excepting those specified in Clause 5 (2), shall be supplied without charge to the person presenting the order, other than a specified deposit at N.H.I. rates on any necessary container should a suitable one not be brought. This deposit must be refunded if the container is returned in a clean and undamaged condition.

(7) Orders on the prescribed form for articles excluded from the drug benefit will be executed only at the expense of the patient. Should the articles inadvertently be supplied free of charge to the patient, these will be paid for at cost by the medical practitioner concerned.

(8) The dispensing of medicines shall be performed either by or under the direct supervision of a registered pharmacist.

THE PHARMACEUTICAL COMMITTEE

(9) The Pharmaceutical Committee of this Service, in the first instance, shall be composed of the same

personnel as the Pharmaceutical Committee of Brighton in accordance with the postal vote taken on May 19, 1934, with power to co-opt members from other areas of the Service as may be desirable. In June 1935, and subsequently at two-yearly intervals, a Committee of eight will be elected by those pharmacists contracting with the Service.

NAMES AND QUALIFICATIONS OF DISPENSERS

(10) A chemist shall, if so required by the Committee of the Service, furnish through the Pharmaceutical Committee a list of the names and qualifications, if any, of all persons employed by him in dispensing medicines for subscribers to the Service.

(11) No pharmacist or company, as referred to in Clause 2, shall give, promise or offer to any person any gift or reward (whether by way of a share of, or dividend on, the profits of the business or by way of a discount or rebate or otherwise) as an inducement to, or in consideration of, his presenting an order for drugs on a prescription-form provided by the Committee of the Service. Breach of this rule shall render the pharmacist or company liable to removal from the list.

PRICING AND PAYMENT

(12) The scripts will be priced for the chemists at their own expense in the manner set forth in the N.H.I. Tariff and in the following way:—

(a) Prescriptions, sorted as provided by the N.H.I. Regulations, shall be sent by the chemists on or before the 4th day of April, July, October and January, to the agent employed by the Pharmaceutical Committee to do the pricing, who will render the accounts in a convenient way to the Committee of the Service within fourteen days.

(b) Accounts will be sent to each doctor for approval and, providing no objection has been raised and in so far as each doctor's credit will allow, will be paid by the Committee of the Service on or before the last day of April, July, October and January after deducting the cost of pricing and any other pharmaceutical expenses.

(c) Of the money standing to the credit of each doctor at the end of the quarter, Service expenses shall be the first charge; the Committee will pay the amount due to the chemists from the remainder, but should this not be sufficient, it shall be regarded as a debt incurred by the medical practitioner concerned, who will pay this deficit from his own moneys to the chemist or chemists concerned.

COMPLAINTS AND DISPUTES

(13) (i) Complaints relative to a pharmacist or company referred to in Clause 2 shall be referred to the Pharmaceutical Committee, which shall report upon its findings to the Committee of the Service. The Committee of the Service shall have power to reduce remuneration by way of a fine and/or to remove any name from the list on the recommendation of the Pharmaceutical Committee.

(ii) Any dispute between a doctor and a pharmacist in the Service shall be referred by the Committee of the Service and the Pharmaceutical Committee to a Joint Services Subcommittee which shall consist of two members appointed by each of those Committees and an independent chairman elected by the Subcommittee.

(iii) Disputes relating to accounts shall be referred to the chairmen and secretaries for the time being of the Committee of the Service and of the Pharmaceutical Committee for settlement, whose decisions shall be binding on all parties.

TERMINATION OF AGREEMENT

(14) Either the Committee of the Service or the Pharmaceutical Committee may terminate this agreement by giving at least six months' notice to the other in writing.

Personalities

LORD TRENT unveiled, on November 15, a bronze bust in memory of his father at Nottingham University College.

MR. STANLEY HAYWOOD, chemist and druggist, Bolton, is making a photographic record of the growth of the extensions to the local town hall. It is anticipated that the building operations will cover a period of years.

MAJOR J. H. B. WIGGINGTON, M.C., T.D., director of Joseph Crosfield & Sons, Ltd., and The Erasmic Co., Ltd., has been elected chairman of the Perfumery Manufacturers' Section of the London Chamber of Commerce.

MR. A. C. IRELAND, chemist and druggist, who is retiring from the management of the Swadlincote, Burton-on-Trent, branch of Boots, Ltd., has been presented by the company with a radio set, and by the local staff with an electric stove.

DR. LEONARD DOBBIN has forwarded us a reprint of a monograph contributed by him to the November issue of the "Journal of Chemical Education," in which he discusses, with quotations from the relevant literature, the history of the formula for pyridine—a fully documented and valuable piece of historical research.

MR. EDWARD WARRICK, formerly director of Warrick Brothers, Ltd., manufacturing chemists, London, has been appointed to the position of manager of The British Drug Houses (Australia), Ltd., in succession to Mr. G. J. Wood, who is relinquishing his position at the end of February, 1935. Mr. Warrick has sailed by the "Rangitata," and proposes to spend a short time in New Zealand prior to arriving in Sydney early in the New Year.

Births

Notices for insertion in this column must be properly authenticated.

IRELAND.—On November 14, the wife of J. G. Ireland, chemist and druggist, Kilwinning, of a daughter.

Marriages

CRIPPS—ROGERS.—At Bath, on November 19, Cyril H. Cripps, chemist and druggist, Swindon, to Phyllis E. Rogers, chemist and druggist, daughter of Mr. E. Rogers, chemist and druggist, Bath.

JONES—PRATT.—At St. Andrew's Church, Willesden Green, London, N.W., on October 18, by Rev. E. J. Potter, James Jones, M.P.S., Wandsworth Road, S.W., and Llandysul, Cardiganshire, to "Biddy," daughter of the late Mr. Pratt and of Mrs. Pratt, Willesden Green.

PUGH—CRAKER.—At St. Luke's Church, Bromley Common, Kent, on November 1, Roger Rhys Pugh, chemist and druggist, to Agnes Craker.

Deaths

BALCH.—At the British Hospital, Paris, on November 17, Mr. Stanley Sadler Balch, chemist and druggist, aged fifty-three. Mr. Balch carried on business at Boulogne for a long period. The interment took place at Boulogne on November 22.

BAXTER.—At Worthing, on November 10, suddenly, Mr. William Baxter, Ph.C., 24 College Road, Bromley, Kent, aged seventy-three. Mr. Baxter was the only son of Mr. W. W. Baxter, chemist and druggist, High Street, Bromley, at whose pharmacy he was trained. In 1897 he took over his father's business, which he carried on until his retirement in 1907.

COE.—On November 14, Mr. Percival Hunter Coe, chemist and druggist, 72 High Street, Lymington. Mr. Coe was for eighteen years in business at Bournemouth, and nine years ago he established a pharmacy at Lymington.

HENDERSON.—At Malton, on November 10, Mr. John Reed Henderson, chemist and druggist. Mr. Henderson qualified in 1902.

LIGGINS.—At Westcliff-on-Sea, on November 11, Mr. Thomas Pearson Liggins, chemist and druggist, aged sixty-seven.

THOMPSON.—At Bournemouth, on November 6, Mr. Joseph George Thompson, chemist and druggist, aged sixty-four.

WALLACE.—On October 17, suddenly, Mr. Lachlan Calder Wallace, one of the proprietors of J. C. Sharland, Ltd., chemists, Shortland Street, Auckland, New Zealand, aged forty. Mr. Wallace was apprenticed to the late Mr. J. C. Sharland, and after serving in the recent war returned and eventually acquired the business in partnership with Mr. F. C. Duval. He is survived by a widow, three sons and a daughter.

YOUNG.—On October 31, Mr. John Young, a director and secretary of F. W. Berk & Co., Ltd., 106 Fenchurch Street, London, E.C.3, aged sixty-one. Mr. Young had been over forty-six years in Messrs. Berk's service, and for the last ten years had been secretary of the company. He became a director in 1930.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc. occur.

Monday, November 26

Pharmaceutical Society of Great Britain, Medway Branch, Tudor Café, High Street, Chatham, at 8.15 p.m. Mr. H. N. Linstead (secretary of the Pharmaceutical Society) on "The Draft Poisons Regulations." Annual meeting at 7.30 p.m.

Tuesday, November 27

Chelsea Polytechnic, Maureso Road, London, S.W.3, at 8.30 p.m. Prize distribution.

Wednesday, November 28

Birmingham Pharmaceutical Association, Botanical Gardens, Edgbaston, at 8 p.m. Annual dance. Tickets, 3s. 6d. each.

Pharmaceutical Society of Great Britain, Blackpool Branch, Queen's Hydro Hotel. Whist drive, dinner and dance.

Pharmaceutical Society of Great Britain, Exeter and District Branch, Rougemont Hotel, at 3 p.m. Mr. C. E. Corfield on "The British Pharmaceutical Codex, 1934."

Western Pharmacists' Association and Pharmaceutical Society of Great Britain, West London Branch, Stewart's Restaurant, 50 Old Bond Street, London, W.1, at 8.30 p.m. Mr. H. N. Linstead (secretary of the Pharmaceutical Society) on "The Draft Poisons List and Rules."

South-West London Chemists' Association, Ardington Rooms, Clapham Junction, at 8.30 p.m. Dance, tickets, 3s. each.

Thursday, November 29

Blackburn and District Chemists' Association, Assembly Hall, Public Hall, Northgate, Blackburn, at 8 p.m. Whist drive and dance. Tickets, 3s. each.

Guild of Public Pharmacists, Liverpool Branch, Royal Institution, Colquitt Street, at 8 p.m. Papers by Miss Stevens, Mr. Nixon and Miss Dobie.

London College of Pharmacy, Old Students' Association, "The Old Cyanides," Restaurant Frascati, Oxford Street, London, W.1. Annual reunion, dinner and dance.

Pharmaceutical Society of Great Britain, Bath and District Branch, Old Red House, New Bond Street, Bath, at 7.30 p.m. Social evening.

Friday, November 30

Pharmaceutical Society of Great Britain, Wallasey Branch, Derby House, Liscard. Whist drive in aid of the Society's Benevolent Fund.

Trade Notes



PENNINE brand hydrogen peroxide is packed by Thornton & Ross, Ltd., Milnsbridge, Huddersfield.

ELFRIDA PERFUMERY CO., Rawdon, Leeds, offer to send a booklet on their toilet preparations to any chemist who writes for one.

BONUS OFFER.—Kemsales, Ltd., 20 Eastcheap, London, E.C.3, elsewhere in this issue give details of a bonus offer in connection with Besorbon medicinal snuff.

INSURANCE AGAINST SICKNESS.—Lambert Brothers (Insurance), Ltd., Cunard House, 88 Leadenhall Street, London, E.C.3, have sent us details of a sickness insurance scheme, the keynote of which is to provide protection for medical expenses. No preliminary medical examination is necessary. The policy pays a fixed sum for each professional visit, and, in addition, covers expenses for operations, specialists, nursing home and other expenses up to certain specific maximum sums. The cost of the insurance varies according to the scale of benefits required.

INFRA-RED ROLL FILMS.—Ilford, Ltd., Ilford, are now able to supply infra-red roll films in the following popular sizes: No. 20, No. 16, No. 27. For Leica cameras the film is supplied 4½ ft. by 35 mm. (36 exposures), for daylight (on spools) and dark-room (not on spools), loading, in boxes of three films. Sizes other than these can be supplied to order at 50 per cent. on panchromatic roll film prices.

VOLATOL.—Thomas Kerfoot & Co., Ltd., Bardsley Vale, Lancashire, have brought out a new product under the name of Volatol chest rub. Packed in pots, enclosed in cartons of attractive design, one dozen of which are supplied in a display outer, this preparation should prove a good selling line during the coming months.

COLORINSE.—C. Nestlé & Co., Ltd., 465 Holloway Road, London, N.7, are supplying under the name of Colorinse a preparation which is stated to impart a sheen to the hair. The method of using Colorinse, which is in the form of small crystals, is as follows: Select the shade, of which there are twelve, nearest the natural shade of the hair, or preferably one shade lighter. Shampoo the hair, rinse well with warm water and then partly dry with a towel. Dissolve the contents of one envelope of Colorinse in one quart of water. Wet the entire head with it twice and again until the water is practically clear, then dry the hair as usual and brush

vigorously. Colorinse is packed in cartons as shown in the above illustration and each contains sufficient for two treatments.

CAPSULES.—Crown Capsule Co., Helensburgh, are specialising in the manufacture of medicinal capsules.

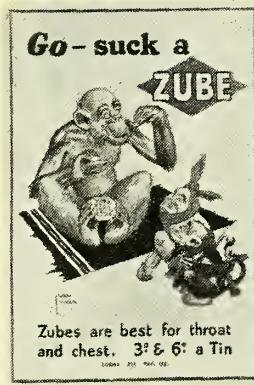
ORANGE WINE is advertised in this issue by A. Millar & Co., Ltd., 74 Great Tower Street, London, E.C.3.

M. J. FECHER, LTD., 10 Dod Street, London, E.14, is offering a drop bottle of ingenious design, and an illustration of it appears elsewhere in this issue. It will be seen that the rubber teat passes through the moulded cap. The former is designed with a flange, and on screwing down the cap a ridge inside it presses on the rubber flange and thus makes a leak-proof closure. The Oiltite, as the bottle is called, should be of particular value for preparations of an oily nature or those which tend to creep.

HINDS CREAM.—Lysol, Ltd., Raynes Park, London, S.W.20, are issuing a special Christmas packing of Hinds Honey and Almond Cream with a dispenser pump. This coffret, together with one of the company's latest showcards, forms the subject of the illustration below.



CELLULOSE DERIVATIVES AS EMULSIFYING AGENTS.—There has recently been placed on the market two types of cellulose derivatives, known respectively as Tylose S and Tylose S L, which are likely to find application in numerous pharmaceutical and toilet preparations. These new products form colloidal aqueous solutions and can be used to replace mucilages, gelatin, starch and so forth, among the advantages claimed for them being no tendency to ferment, resistance to heat, frost, alkali and dilute acids, non-injurious in foodstuffs, high emulsifying powers. J. M. Steel & Co., Ltd., Kern House, Kingsway, London, W.C.2, are the suppliers of these products. The commercial material is a felt-like fibrous dry mass in blocks of approximately 1 lb., 2 lb., $\frac{1}{2}$ lb., 11 lb., and 2 cwt. bales. Brands are supplied for different purposes, and they vary in solubility and viscosity. Tylose S is the more sparingly soluble. By dissolving Tylose in water, the quantity of which depends on the viscosity of the brand used, a stock solution is obtained, which can if necessary be diluted before use. When boiling water is poured over them, Tylose S and S L swell and go into solution on cooling (Tylose S at about 20° C., and Tylose S L at about 30° C.). The coagulation which takes place on heating the S brands to 50 - 60° C. and the S L brands to 70 - 80° C. is reversible. The literature supplied in connection with these products contains a number of recipes to serve as a basis for experiment.



depicting an open copy of the familiar green pocket-book held in a pair of hands. Copies of this sales-aid, which is of a convenient size for window, shelf or counter display, may be obtained on application.

THE DENVER CHEMICAL MANUFACTURING Co., 41 St. Ann's Road, London, E.3, have sent us an advance copy of "The Bloodless Phlebotomist," Vol. VIII, No. 2, which is being mailed to every physician in Great Britain and Ireland. This little journal contains interesting articles written by physicians who are located in many different countries, and while the purpose of the publication is to acquaint its medical readers with Antiphlogistine brand dressing, there are a number of items and illustrations which excite curiosity. We understand that 1,347,000 copies are printed in nine languages and distributed to every doctor in the world with a known address, excepting in the countries of Russia, Latvia and Bulgaria. A copy will be sent to any of our subscribers free of charge.

TRANSPORT CHARGES.—Traders' Defence Association, 37 St. Nicholas Street, Bristol, have sent us a booklet describing their service to members. The Association aims at equality of transport charges for all traders, and renders assistance to those who operate their own road vehicles. Among other matters members can be advised of applications for and "Agreed Charges" granted by the Railway Rates Tribunal affecting the member's trade, and if such charges are likely to operate to the detriment of the member's business, the Association will negotiate for a similar charge to be fixed in his favour. Further particulars

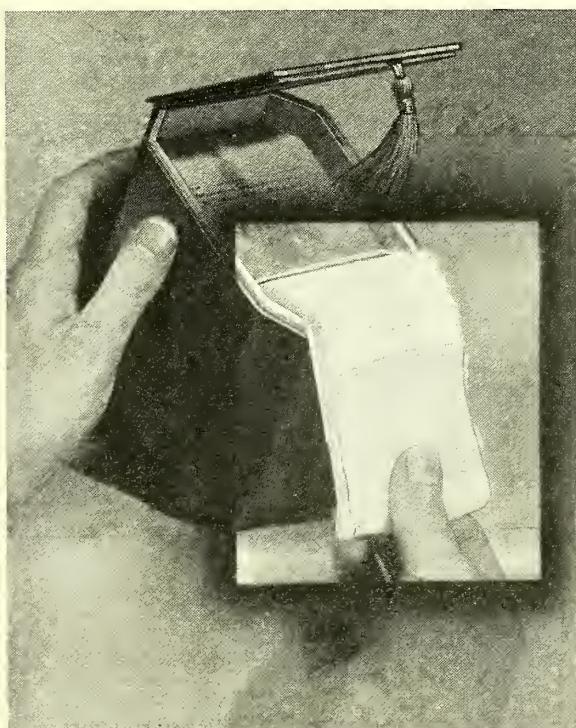
and a copy of the booklet may be obtained on application to the secretary.



THE above illustration is of two new showcards issued by Proprietary Agencies, Ltd., 179 Acton Vale, London, W.3.

CUTEX.—J. C. Gambles & Co., Ltd., 211 Blackfriars Road, can supply an attractive display stand for Cutex gift sets.

A NOVEL PACKING.—T. J. Smith & Nephew, Ltd., Neptune Street, Hull, have prepared a packing of cotton wool which should prove most acceptable to ladies, in view of the increasing use of lotions, cleansing creams and skin foods generally. A package of the Neptune complexion cotton wool, as it is called, is shown in the illustration below. The roll of wool is enclosed in a carton of neat design and a quantity can be withdrawn as required. The advantages of so neat a packing will be readily appreciated by discriminating customers, in fact, there seems no reason why this excellent method of "dispensing" cotton wool should not be extended in various ways other than that for which it has been primarily introduced.



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which is also an effective Cuticle Remover
1/2 size 7/6 doz.

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1/6 " 10 6 "

2/6 " 16 - "

POLISH REMOVER

1/- size, 7 6 doz.
1/6 " 10 6 "

CUTICLE CREAM

1/- size, 7 6 doz.
1/6 " 10 6 "

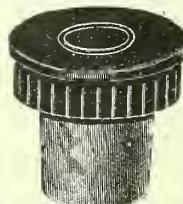
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THE CHEMISTS' DICTIONARY OF MEDICAL TERMS.
Price 3s. 6d., by post 3s. 8d.

WOOTTON'S CHRONICLES OF PHARMACY. Price 10s. 6d.,
by post 11s. 3d.

THE "CHEMIST AND DRUGGIST." 28 Essex Street, W.C.2

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

B/18. Actan	R/43. Incret. Ischilondsky
C/12. Calso preparations	W/12. Mil-ser-ol
W/14. Casarol	B/12. Rock tartar
A/15. Haltmaline brand of	P/13. Silkeen
milk	

THE
CHEMIST AND DRUGGIST

VOL. CXXI. November 24, 1934 NO. 2859

Humorists at Bloomsbury Square

WHATEVER else may be said of our up-to-date mentors at Bloomsbury Square, they can never be accused of deficiency in resourcefulness. Close contact with Whitehall, where ingenuity has been raised to the level of a fine art, has produced an atmosphere of genial persuasiveness in the inner chambers of the new despotism to which pharmacists have entrusted their lives and liberties that is quite amusing. The cheerful way in which the big stick and the olive branch—the black draught and the soothing syrup—are interchanged in order to secure the obedience of the recalcitrant is an object-lesson in the science of bureaucratic government. We have had brought to our notice during the past few days a charming illustration of the manner in which the registrar and his staff are struggling to make the most—the utmost—of the new powers with which the Pharmacy and Poisons Act has equipped them. Complacency has always been a distinguishing feature of pharmacists; but there are times when even a pharmacist will turn and rend. Some of the "boys of the old brigade" at the present time—the half-century men—who object to adventure into building and other enterprises, and to the demand for the return to Bloomsbury Square of the certificates for which they paid long years ago, are becoming fractious. They wonder what is the motive behind this curious demand.

Remarkable Correspondence

The Act gives no shadow of authority for any such demand as is being made: and as this is quite well understood at Bloomsbury Square, it is evidently considered necessary by the promoters of the movement that they shall enlarge their statutory powers; legislation—or attempted legislation—"pro re nata." Let us see what it leads up to.

"I am a life member of the Pharmaceutical Society," wrote one of the "old brigade" to the Editor of THE CHEMIST AND DRUGGIST. "A few weeks ago I applied for, and got, a certificate of registration, but they ask me to return my old membership certificate. I wrote pointing out that the certificate was my property and the only evidence I had that I am a life member. I received the enclosed reply. . . . If the certificate is the property of the Society I shall certainly return it, but, so far as I can recollect, no such conditions were attached when I received it."

A few days later the following letter, addressed to him from 17 Bloomsbury Square, London, W.C.1, was forwarded to us by the same life member:—

"I have your letter . . . and am sorry that you have not seen your way to return the certificate of membership . . . The certificate of membership issued to you in—when you became a life member is evidence of membership of the Society but not of *life* membership. Similarly, the certificate issued to you recently is evidence of membership; thus you have now in your possession two documents . . . contrary to the intention of the Council . . . I hope that you will now be agreeable to comply with the request to return the certificate, for in so doing you

will be doing no more than has already been done by many other old and valued members of the Society who, like yourself, were reluctant to part with a certificate which had been in their possession for many years."

So, according to the implication of this document, a life member of the Society is to cease to be a life member unless he now commences to pay an annual subscription. "Res ipsa loquitur"! The life member thus threatened with deprivation replied in these terms:—

"Your letter of the — inst. is very disappointing. I merely asked you to give me your authority for demanding the return of my certificate of membership. My contention is that the certificate belongs to me; if you have proof to the contrary, state it and I shall return it at once."

A very simple and reasonable request. A week after the receipt of that letter, however, the registrar caused the following reply to be sent to the life member:—

"In reply to your letter of —, I am pleased to inform you that at their meeting on February 7, 1934, the Council passed a resolution requiring members who apply for a certificate of registration under section 2 (1) of the Pharmacy and Poisons Act, 1933, to deliver up to the Registrar any other certificate held by them by virtue of membership. It is in consequence of this resolution that you are asked to return the certificate of membership No. —."

We should be interested to learn how it came about that this resolution of February 7, 1934, was not only never disclosed to THE CHEMIST AND DRUGGIST (though it might have been supposed that it would have been the wish of the Council to give it the widest possible publicity), but that it does not appear ever to have been published in the official organ of the Society, although the very existence of the latter periodical is founded upon its duty to record the transactions of the Society. No doubt it appears on the minutes of the Society and therefore is officially on record. Whether it is *ultra vires* is another matter.

Serious Aspects

The serious aspects of this correspondence are two; and they must be made clear. The first is that life members who paid for that privilege must now, apparently, become annual subscribers if they are to retain the status of membership. The second is that, for some occult reason which we are unable to fathom, there is desperate anxiety on the part of the powers now in control at Bloomsbury Square to get possession of all documents that are evidence of membership other than the new certificates now being issued in exchange for the prescribed subscription. Is it too much to ask that all resolutions which have been adopted by the Council since the Royal Assent was given to the Act of 1933, and which, directly or indirectly, relate to its provisions, may be published forthwith in the Society's official organ if they have not already been published? It might come as a shock to all concerned to discover, accidentally, some fine day that hidden away in the minutes of the Council is a decision to—shall we say?—lend (as being the property of the Council) certificates of having passed the Qualifying examinations—to be returned on demand! This would be no more startling, however, than the demand now being made upon life members.

Pharmacy in Soviet Russia

Mr. John Christie, President of the South African Pharmacy Board, who has recently been on a visit to the U.S.S.R. has sent us the following account of his impressions of pharmacy under the Soviet jurisdiction

RUSSIA is a country of surprises, and any preconceived ideas that a visitor may have held are quickly dispelled—any attempt to compare it with Western countries is most difficult, for Russia is really a country of opposites, a country where everyone is a civil servant, or should I rather say a State employee. During my visit I had an opportunity of studying the various systems, such as factories, schools, trades unions, prisons, retail distribution of goods, dispensaries and hospitals. Of course, I was specially interested in the pharmacies and dispensaries. Pharmacy, so far as training and conditions of employment of pharmacists is concerned, appears to be on a sound and satisfactory basis, while the quality and variety of drugs and pharmaceutical preparations are fully adequate. Medical treatment and medicines are entirely free, and can be obtained through either the dispensary and outdoor clinics, called Prophylactorms and Polyclinics, or through the visiting district doctors. I visited a number of these institutions in Leningrad and Moscow and was amazed at their equipment and organisation. They are equipped with x-ray apparatus, electric ray and electric shower treatment, apparatus and baths for various water treatments. Some of these district clinics



Preparation of Medicines in a Moscow Pharmacy



A Revolving Shelf with Dispensed Medicines in a Moscow Pharmacy. These shelves are used for their convenience and to save time

have as many as 4,000 patients attending daily, and dispense over 1,000 prescriptions daily. One particular institution I visited had over these figures and had 898 employees, including 100 doctors. The chief pharmacist was at great pains to show and explain everything in his department, and the care and efficiency displayed everywhere was all that could be desired. The supply of pills, tablets, ampoules and so forth was not complicated by proprietary or secret preparations, as of course everything is manufactured in Government laboratories from recognised and known formulas, but the range of preparations is complete and up to date.

The Dispensing Department

Each dispenser has his own counter, which is surrounded by a number of circular revolving stands on which are built circular shelves, so that almost every ingredient required for the prescription is within reach of the dispenser's hands. When a prescription is handed in to a receiving clerk, he immediately numbers the prescription and hands a duplicate of the number to the patient; this has to be presented when the medicine is called for. Prescriptions are handled with care and dispatch. I inspected quite a number of prescriptions and was interested to see that they were written in Latin, with of course the metric system, the Russian alphabet

not being used. The standard of the prescribing is good, with the gratifying fact that patent and secret preparations were entirely absent. The retail pharmacy, in addition to its dispensary, is fitted and conducted in the same manner as I have described, but on a smaller scale (the shop I inspected had an average of 180 prescriptions per day). It has also a front shop with the wall and counter cases well stocked with packed goods of every description, as well as perfumes, lipsticks, face powders and toilet goods generally. None of these preparations is imported, all being manufactured in Government works. The quality appears to be good, but the finish of these as well as the finish of the prescriptions is poor, the boxes, bottles and labelling being very shoddy. This was admitted, and the hope was expressed

tive, whilst regaling me with Russian tea, cakes and sandwiches, gave me the following information relative to pharmacy (Mr. Avdeeva is himself a pharmacist).

The Pharmaceutical Curriculum

The training of pharmacists consists of three years' attendance at college, but three months in each year has to be spent in a pharmacy or dispensing for practical experience. Subjects taught are chemistry, botany, pharmacognosy, mathematics, practical pharmacy and technology. During the course the student has to pass an examination in each subject, and at the end of three years an examination embracing all the subjects has to be passed. The proportion of women in pharmacy is



An Interior View of a Moscow Pharmacy

to me that they would soon catch up in this direction. Packed goods, toilets, etc., have to be paid for by the customers, but, as I have said, all prescribed medicine is free. Town pharmacies are open till 1 a.m., but the assistants work eight hours, with one hour interval for a meal, per day. Wages vary in the case of managers from 300 to 350 roubles per month, assistants 200 to 250 roubles. The value of this in British currency is difficult to decide, because there is no rouble quotation on the world currency exchange, but one can measure it by the fact that factory workers and skilled workers earn from 150 to 200 roubles per month. Pharmacists belong to the Medical Trade Union, and I had an interview with Mr. ("Comrade" in Russia) Avdeeva, President of the Central Committee of Trades Unions for Medical Workers, in the Palace of Labour, Moscow. This gentleman, with his general secretary and some of his execu-

high, being 48 per cent. women to 52 per cent. men. There is no differentiation between men and women in pharmacy or in any other employment, wages and conditions of service being the same. I was particularly struck by the determined manner of everyone I met in Russia and their desire to develop the country, particularly in the industrial sense. In the retail trade, all shops being Government owned and all prices fixed, it might be thought that the service and attention to customers would be bad, but here again there is a plan. Each shop has its own plan, consisting of the amount of turnover to be done. Should the figure fixed not be reached, then there is an inquiry and the culprits dealt with; on the other hand, should the figure be exceeded, a bonus is paid to each employee.

From a business, industrial and educational point of view, Soviet Russia is undoubtedly on the upward move.

Business Changes

MR. R. P. BRISTOW, chemist and druggist, has opened a branch at 3 Crendon Street, High Wycombe.

MR. MARTIN CONWAY, chemist and druggist, is opening a business at 113 Stretford Road, Hulme, Manchester, 15.

MR. L. C. G. GOODALL, chemist and druggist, has opened a pharmacy at Minster Road, Half Way, Sheerness.

MR. ERNEST CRANE, chemist and druggist, has acquired the business of Mr. Henry Clarke, chemist and druggist, 11 Market Place, Whitehaven.

SAVORY & MOORE, LTD., chemists, 61 Welbeck Street, London, W.1, have acquired the business of John McKnight, chemists, Fleet Road, Fleet, Hants.

TIMOTHY WHITES, LTD., have carried out rebuilding and extension as follows:—34-36 Palmerston Road, Southsea (rebuilt); 385-386 High Street, Cheltenham (reconstructed and extended).

MR. WILLIAM POTTER, chemist and druggist, has retired from the business of W. S. Potter & Co., chemists, High Street, Plaistow, London, E.13. The business will in future be carried on under the same title by Mr. Maurice Blumenthal, chemist and druggist. The business was founded by Mr. Potter's father in 1858.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values.

28 Essex Street, W.C.2, November 22

THE demand for chemicals seems to have been quite good again this week, while business in natural products, such as crude drugs, has been rather slow. With the pending issue of an exemption order covering a number of important products in this market business has naturally been restricted. The order in question is now overdue, and, in the interest of trade, it is hoped that it will be published in the very near future. In the pharmaceutical chemicals' markets business is reported to be moving on very fair lines, and prices are generally steady. The new scale of prices for small lots of COCAINE is not yet available, but it is understood it is likely to be issued during the next week, and will give the distributors a more appropriate margin. The crude drugs markets have been rather subdued this week. AGAR is steady on spot. New crop prices for BUCHU are expected to be received by the end of the month. Norwegian COD-LIVER OIL shipments continue well up to average. GUM ACACIA is easier forward and on spot. Spanish-Italian MERCURY has lost some of the recent advances. MENTHOL has been dull, but values are being maintained. OPIUM tends to be steadier. VALERIAN ROOT is dearer on spot. DIGITALIS LEAVES are firmer. IRISH MOSS shows an advance. The drug auction is reported on p. 648. A fair miscellaneous business is being done in essential oils. Brazilian BOIS DE ROSE is firmly held on spot pending a clearer forward position. A little more interest shown in CITRONELLA. Australian EUCALYPTUS is dearer and steady. Bourbon GERANIUM is off the bottom of the recent decline. LEMON-GRASS is steadier, but in small demand. PALMAROSA is steady. PATCHOULI is reported dearer forward. Japanese PEPPERMINT has been neglected, but values are about maintained. SPEARMINT is slightly cheaper. There has been a slightly better business in most fixed oils, with COTTON, COCONUT and PALM OILS fully steady. AMERICAN TURPENTINE is steadier at the cheaper price. LINSEED OIL has been slow all the week.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	November 22	Value of the £
Amsterdam ...	Fl. to £	12.107	7.381	12/2 ¹
Berlin ...	Mks. to £	20.43	12.41 ¹ ₂	12/2
Brussels ...	Belgas to £	35	21.41 ¹ ₂	12/2 ¹
Copenhagen ...	Kr. to £	18.259	22.40	24/8
Lisbon ...	Esc. to £	110	109 ¹ ₂	19/11 ¹ ₂
Madrid ...	Ptas. to £	25.22 ¹ ₂	36 ¹ ₂	28/11
Milan ...	Lira to £	92.46	58 ¹ ₂	12/7 ¹ ₂
Montreal ...	Dol. to £	4.86 ¹ ₂	4.86 ¹ ₂	20/0
New York ...	Dol. to £	nominal	4.99 ¹ ₂	20/7
Oslo ...	Kr. to £	18.159	19.00 ¹ ₂	21/11
Paris ...	Fr. to £	124.21	75 ³⁵ ₃₂	12/2 ¹
Prague ...	Kr. to £	164.25	119 ¹ ₂	13/5 ¹ ₂
Stockholm ...	Kr. to £	18.159	19.39 ¹ ₂	21/4 ¹
Warsaw ...	Zloty to £	43.38	26 ¹ ₂	12/2 ¹
Zurich ...	Fr. to £	25.2215	15.37	12/2 ¹

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

A VERY fair general business is reported, with most orders for limited quantities on spot. Vanillin is now steady. Phenacetin is not so fiercely competitive. Salicylates continue to find a good demand.

ACETANILID.—A moderate demand; market steady: B.P. crystals and powder, 1s. 5¹₂d. to 1s. 8d. per lb., as to quantity.

AMIDOPYRIN.—Dealers' prices are being fairly well maintained: spot, crystals, five cwt., 18s. 9d.; two cwt., 19s. 1¹₂d.; less than two cwt., 19s. 6d. per lb.; with powder 2¹₂d. per lb. extra.

AMMONIUM BENZOATE.—Rather quiet. Spot, 3s. 4d. to 3s. 6d. per lb., as to quantity.

AMMONIUM ICHTHOSULPHONATE.—Very fair business; market competitive: one cwt., 1s. 6¹₂d., in 14-lb. tins; 1s. 8d., in 1-lb. tins; 1s. 10¹₂d., in 8-oz. tins; and 2s. 1d. per lb., in 4-oz. tins.

ASPIRIN.—Home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8¹₂d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.;

4 lb., 3s. 2d.; 1 lb., 3s. 4d. per lb. Bulk packing free, net, carriage paid. Contracts: Over twelve months, minimum, one ton; over six months, less than one ton.

ASPIRIN (TABLETS).—The wholesale scale of prices is as follows: Under 5,000, 3s. per 1,000; 5,000, 2s. 11d.; 10,000, 2s. rod.; 25,000, 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000, 2s. 6d.; 250,000, 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; over 1,000,000, 2s. 2d. per thousand tablets. For over one million a rebate of 1d. per 1,000 on 10 million tablets over 12 months. Wholesale distributors' prices for smaller quantities would be dearer.

ATROPINE.—Convention prices continue at the recent advance. Sulphate, 175 oz. and over, 10s.; 35 oz., 10s. 5d.; 4 oz., 10s. 10d.; less than 4 oz., 11s. 3d. Pure: 175 oz. and over, 13s.; 35 oz., 13s. 5d.; 4 oz., 13s. rod.; less than 4 oz., 14s. 3d. per oz., ex store, London.

BARBITONE.—Spot business with dealers' prices quite steady: to arrive, two cwt., 13s. 5d.; 56 lb., 13s. 9d.; less, 14s. 1d. per lb., f.o.b. Continent. Spot, two cwt., 15s. 1¹₂d.; 56 lb., 15s. 6d.; smaller parcels, 15s. 9d. to 16s. per lb.

BENZOIC ACID (B.P.).—Average business; market steady: quantities, ex works, 1s. 9¹₂d.; spot parcels, 1s. 10d. to 2s. 2d. per lb., ex store, as to quantity.

BROMIDES.—Market about steady; business fair: ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10d.; 28 lb., 2s. 1d.; smaller quantities, 2s. 5d. per lb.; potassium B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; 28 lb., 1s. 10d.; smaller quantities, 2s. 2d. per lb.; sodium B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s.; smaller quantities, 2s. 4d. per lb., without engagement. Special prices for larger quantities.

BUTYL CHLORAL HYDRATE.—Business quiet: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—Values for Continental show no further change. Pure, two cwt., 6s. 9d.; one cwt., 6s. 11d.; 56 lb., 7s. 1d.; less than 56 lb., 7s. 3d. per lb. Citrate, two cwt., 5s. 7¹₂d.; one cwt., 5s. 8¹₂d.; 56 lb., 5s. 9¹₂d.; less than 56 lb., 5s. 10¹₂d. per lb., net, carriage paid on minimum 56-lb. lots. Packages, from 5 lb., and upwards, free. British material is quoted unchanged, as follows: one cwt., 7s. 6d.; 56 lb., 7s. 9d.; smaller quantities, 8s. Citrate, one cwt., 4s. 6d.; 56 lb., 4s. 9d.; smaller quantities, 5s. per lb.

CALCIUM LACTATE.—Moderate business on a keen market: spot, one cwt., 1s.; 56 lb., 1s. 1d.; 28 lb., 1s. 1¹₂d.; smaller quantities, up to 1s. 5d. per lb.

CHLORAL HYDRATE.—Makers' prices unchanged: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 1d.; one cwt., 3s. 2d.; 28 lb., 3s. 3d.; 14 lb., 3s. 4d. per lb.; 28-lb. jars one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—Market is fully steady. British material quoted at 10¹₂d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are quoting at competitive prices.

COCAINE.—Makers' scale of wholesale quantities unchanged: hydrochloride, 25 oz., 25s.; 16 oz., 25s. rod.; and less 26s. 8d. per oz.; pure, 25 oz., 27s. 4d.; 16 oz., 28s. 2d.; less than 16 oz., 29s. per oz.; 1-oz. tins, 2¹₂d. per oz. extra. Export prices vary as to destination.

CREAM OF TARTAR.—A very fair business; market steady. British material, 99 to 100 per cent., quoted at 8s. per cwt., less 2¹₂d. per cent. discount, nominal and without engagement. Dealers are quoting at competitive figures.

CREOSOTE (B.P.).—Rather quiet but steady. Quantities, in 25-kilo. demijohns, 1s. 9¹₂d. to 1s. 10d.; smaller packing, 1s. 11d. to 2s. 3d. per lb., as to quantity.

EMETINE.—Hydrochloride, 8 oz. or 1/2 kilo., 35s. 6d. per oz.; one oz. or 25 grams, 37s. 6d. per oz.; smaller quantities, 40s. per oz. Other salts are quoted in proportion.

GUAIACOL.—As recently reported, prices for liquid and crystals are dearer: less than two cwt., in 28-lb. demijohns, 9s. 2¹₂d.; in 7-lb. jars, 9s. 2¹₂d. per lb. Crystals are also at higher figures: less than two cwt., in 28-lb. jars, 9s. 8d.; in 7-lb. bottles, 9s. 10d.; in 1-lb. bottles, 10s. 3d. per lb.

GUAIACOL CARBONATE.—Market very steady, some dealers asking higher prices. Spot, two cwt., 9s. 8d.; one cwt., 9s. 9d.; less than one cwt., up to 10s. 4¹₂d. per lb.

HYDROQUINONE.—Spot is being quoted as follows: one cwt., 4s. 6*1/2*d.; 56 lb., 4s. 8*1/2*d.; 28 lb., 4s. 10*1/2*d.; 14 lb., 5s. 1*1/2*d. per lb., carriage paid.

IODIDES.—Makers' scales of prices are quoted unchanged and meeting with some competition. Potassium iodide, B.P., one cwt., 5s.; 4 lb., 6s. 2d.; smaller parcels, 6s. 8d. per lb., carriage paid.

LACTIC ACID (B.P.).—Moderate business on a keen market: quantities in carboys, 1s. 4*1/2*d. to 1s. 5d.; in winchesters and bottles, 1s. 6d. to 1s. 10d. per lb., as to quantity.

MERCURIALS.—Makers' prices are unchanged: chloride, B.P., one cwt., 4s. 9d.; less than one cwt., 4s. 10d. per lb.

METHYL SALICYLATE (B.P.).—Inquiry continues on a very fair scale: ten cwt., 1s. 5d.; five cwt., 1s. 5*1/2*d.; one cwt., 1s. 6d.; less than one cwt., 1s. 7d.; small quantities in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Market steady at recent advance; fair spot business: two cwt., 18s. 4*1/2*d.; one cwt., 18s. 9*1/2*d.; 56 lb., 19s. 3d.; small parcels, 19s. 8*1/2*d. per lb.

METOL.—Market has remained dull: 28 lb., 9s. 6d.; 14 lb., 9s. 9d.; wholesale dealers' prices for smaller quantities would be dearer.

PARAFORMALDEHYDE.—Some small spot business; market steady: 100 per cent. powder, quantities in kegs, 1s. 3d. to 1s. 4*1/2*d.; smaller parcels, up to 1s. 9d. per lb.

PHENAZONE.—Dealers report fair spot demand; market steady: crystals, five cwt., 10s. 7*1/2*d.; two cwt., 10s. 10d.; and less, up to 11s. 6d. per lb.; with powder 2*1/2*d. per lb. extra.

PHENOLPHTHALEIN.—Business remains quiet; some competition: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s. 1*1/2*d.; 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PIPERAZINE.—Dealers' prices for Continental material continue at the recent advance: 22 lb., 52s. 1*1/2*d.; 11 lb., 54s. 5*1/2*d.; 2 lb., 55s. 1*1/2*d.; less than 2 lb., 57s. 5d. per lb., ex store, London, 8-oz. bottles free, smaller packing extra.

POTASSIUM PERMANGANATE (B.P.).—A steady demand, mostly for limited spot quantities: spot, one ton, in drums, 9*1/2*d.; ten cwt., 9*1/2*d.; druggists' parcels, from 10d. to 1s. per lb., as to quantity.

POTASSIUM SULPHOGUAICOLATE.—Dealers' prices are irregular on spot from 5s. 7d. to 6s. 2d. per lb.

PYROGALLIC ACID.—Values are unchanged; market quiet: 56 lb., 7s. 9d.; 28 lb., 8s.; 14 lb., 8s. 6d.; 7 lb., 9s. 3d. per lb., in 7-lb. tins. Wholesale distributors' prices for small quantities would be dearer.

QUININE SULPHATE.—Prices are steady. Sulphate, 2s. 1d.; bisulphate, 2s. 1d.; ethyl carbonate, 2s. 8*1/2*d.; salicylate, 2s. 9*1/2*d.; phosphate, 3s. 2*1/2*d.; hydrochloride, 2s. 7*1/2*d.; bishydrochloride, 2s. 10*1/2*d.; hydrobromide, 2s. 7*1/2*d.; bishydrobromide, 2s. 10*1/2*d.; valerianate, 3s. 7d.; hypophosphite, 3s. 10*1/2*d.; alkaloid, 2s. 1*1/2*d. per oz., carriage paid on bulk quantities.

RESORCIN.—Business is not of much account. British material, as follows: crystals, one cwt., 4s. 1*1/2*d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., 6s. per lb.

SACCHARIN.—The Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Very fair inquiry; market steady: five cwt., 1s. 7d.; one cwt., 1s. 7*1/2*d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 11*1/2*d.; 4 lb., 2s. per lb.

SANTONIN.—Very little demand for some weeks. Kilo. price, £13 10s.; larger quantities, about £13 per kilo.

SODIUM BENZOATE (B.P.).—A keen market, with prices for bulk lots about 1s. 6d.; cwt. lots, 1s. 7d.; and smaller parcels, up to 1s. 1*1/2*d. per lb.

SODIUM DIETHYLBARBITURATE.—A steady business, with values well maintained: spot, one cwt., 15s. 9d.; 28 lb., 16s.; 14 lb., 16s. 3d.; 7 lb., 16s. 6d.; smaller parcels, up to 17s. per lb.

SODIUM SALICYLAIE (B.P.).—The demand is sustained, with prices unchanged: home trade, crystals or powder, five cwt., 1s. 8*1/2*d.; one cwt., 1s. 9d.; 28 lb., 2s.; 14 lb., 2s. 2d.; 7 lb., 2s. 3d.; 1 lb., 2s. 6d. per lb.

SULPHONAL.—Dealers are doing occasional business; market steady: crystals or powder, two cwt., 14s. 8*1/2*d.; one cwt., 15s. 1*1/2*d.; 56 lb., 15s. 3*1/2*d.; smaller parcels, up to 15s. 10d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—British makers are quoting at 1s. 0*1/2*d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering at about level prices.

VANILLIN.—Very little outside material offering under Convention prices: ex guaiacol or clove oil, five cwt., 13s. 3d.; one cwt., 13s. 6d.; 56 lb., 13s. 9d.; less, 14s. per lb.

Crude Drugs, etc.

A report of the drug auction is given on p. 648.

AGAR.—Spot values of Kobe No. 1 are rather dearer, in other directions the market is steady, but rather dull: Kobe No. 1, 1s. 11*1/2*d. to 2s.; No. 2, 1s. 10*1/2*d.; Yokohama No. 1, 1s. 10d. per lb.; shipment, Kobe No. 1, 1s. 9*1/2*d.; No. 2, 1s. 8d.; Yokohama No. 1, 1s. 8d. per lb., c.i.f. New crop, January-March shipment, Kobe No. 1, 1s. 7*1/2*d.; No. 2, 1s. 6*1/2*d.; Yokohama No. 1, 1s. 5*1/2*d. per lb., c.i.f.

ALKANET ROOT.—Dealers are quoting spot from 43s. to 45s. per cwt., as to quantity.

ALOES.—The spot value of Cape is well maintained at 38s. to 39s. per cwt.

ANTIMONY.—A further sharp advance in Chinese crude is recorded, with the shipment figure at £34, c.i.f.

BAYBERRY BARK.—Spot supplies offering in the region of 6d. per lb.

CAMPHOR.—Market is quoted unchanged; business quiet: spot, slabs, 2s. 1d.; flowers, 2s. 1*1/2*d.; tablets, 2s. 5d.; shipment, slabs, 1s. 9*1/2*d.; flowers, 1s. 10d.; tablets, 2s. 1d. per lb., c.i.f. English refined is still unchanged: flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4*1/2*d.; 1 oz. and 2 oz., 3s. 5*1/2*d.; $\frac{1}{2}$ oz. and $\frac{1}{4}$ oz. and $\frac{1}{8}$ oz., 3s. 6d. per lb.; special prices for contracts for quantities.

CANTHARIDES.—Moderate business in small quantities. Russian, spot, 6s. 9d. to 7s. Chinese in fair demand, with prices ranging from 3s. 6d. to 4s. per lb., as to seller. The forward position is easier.

CASCARA SAGRADA.—Very little interest shown; prices steady. Shipment, in car-load lots, 30s. per cwt., c.i.f.; spot, in small parcels, 34s. 1933 peel, 42s. 6d. per cwt.

CHAMOMILES.—Market continues quite steady at former rates.

CLOVES.—Market is slightly easier, with business quiet. Zanzibar, spot, 6d.; shipment, November-December, 5*1/2*d.; January-March, 5*1/2*d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended November 17 were 105 and the deliveries 114, leaving a stock of 3,153. From January 1 to date the landings of Zanzibar have been 4,901 and the deliveries 4,231. Landings of Madagascar for the week ended November 17 were nil and the deliveries 561, leaving a stock of 309. From January 1 to date landings of Madagascar have been 326 and the deliveries 999 packages.

COCOA BUTTER.—Prime English is quoted from 8*1/2*d. to 9*1/2*d. per lb., as to quantity. Foreign, about 8d. per lb.

COCONUT (DESICCATED).—Fairly steady, with business restricted. Spot, fine, 17s. 9d.; medium, 17s. 6d. per cwt. Shipment, halves, December-January, 16s. 3d., c.i.f.

COD-LIVER OIL.—Bergen reports shipments to November 4 totalled 90,987 barrels, compared with 86,787 barrels at the same date in 1933, and 92,462 barrels in 1932. The shipment market is steady, with finest Lofoten steam-refined non-freezing medicinal oil, 90s. per barrel, c.i.f. Spot, in small lots, 130s. per barrel ex store, duty paid. Newfoundland non-freezing medicinal oil, 130s. per barrel, ex store. British non-freezing medicinal oil continues to be quoted from one source at 115s. per barrel, c.i.f. London, duty free, while quotations from another home source are at higher figures.

COLCHICUM.—Dealers offering small lots of root on spot at 44s. to 45s. per cwt. Seed, about 1s. 2d. per lb.

DAMIANA LEAVES.—Very scarce on spot, with the price asked about 2s. 2d. per lb. for small lots.

DERRIS ROOT.—The shipment market ranges from 8*1/2*d. to 1s. 2d. per lb., c.i.f., as to test. Spot offers, testing 17 per cent. ether extract, about 11d. per lb.

DIGITALIS LEAVES.—Market quoted dearer at up to 105s. per cwt., spot.

ERGOT.—Sales have been very fair this week, with Russian now at 1s. 5d. per lb., spot, for small lots.

GENTIAN.—A fair inquiry is being received, with French root mentioned at about 42s. 6d. per cwt.

GINGER.—The recent higher values are steadily maintained. West African, spot, 37s. 6d.; for arrival, 32s. per cwt., c.i.f. Jamaican is also steady, but rather dull: small grinding, 80s. up to 110s. per cwt. for bold, in barrels.

GUM ACACIA.—Market is rather easier on account of lower shipment figures for new crop: spot, Kordofan cleaned sorts, 34s.; bleached, 65s. to 70s. per cwt.; shipment, Kordofan cleaned sorts, new crop, 31s. per cwt., c.i.f., January-February shipment.

HENBANE.—Dealers are quoting spot at 73s. to 75s. per cwt., as to quantity.

HYDRASTIS.—Market is now firm, with more interest shown. Spot, 5s.; shipment, 4s. 6d. per lb., c.i.f.

IRISH MOSS.—Values are quoted dearer at about 55s. to 65s. per cwt., spot.

JALAP.—Spot supplies testing about 11.2 per cent. quoted at 11½d. per lb., duty paid.

JUNIPER BERRIES.—Market is steady, with spot holders asking 25s. per cwt.

LOBELIA HERB.—Business slow, with spot in the region of 11½d. to 1s., and shipment about 8½d. per lb., c.i.f.

LYCOPODIUM.—Spot supplies are moving slowly; quoted at about 2s. 9d. per kilo.

MENTHOL.—Limited inquiry for afloat, otherwise the market has been dull with values held and supported by Japanese shippers. K/S brands, 12s. 4½d.; afloat, 11s. 4½d.; shipment, October-December, 11s. 3d.; January-March, 11s. 4d. per lb., c.i.f. Japanese shippers quoting 11s. 9d. per lb., c.i.f.

MERCURY.—Following the recent advances values have lost some ground. Business about average. Spanish-Italian, for shipment, 57 dollars per bottle, f.o.b. Continent. Spot is slightly cheaper at £11 11s. per bottle, ex store.

OPIUM.—This market is steadier and business has been better: spot, 1s. 5d. to 1s. 5½d.; shipment, 1s. 3d. per unit, c.i.f.

ORRIS ROOT.—Some Florentine root is mentioned on spot at about 32s. 6d. per cwt. in small lots.

PEPPER.—Values are again at an advance, but the market is much quieter and not so steady. Lampung, spot, 6½d.; shipment, November-December, 5½d.; January-March, 5½d., c.i.f. Tellicherry, spot, 6½d.; shipment, November-January, 58s., c.i.f. Aleppy, spot, 6½d.; shipment, November-January, 56s., c.i.f. Muntok, spot, 1s. 4½d.; shipment October-December, 1s. 3d.; January-March, 1s. 3½d., c.i.f. Delivery, January, 1s. 5d. per lb.

PIMENTO.—Slightly easier on a dull market: spot, 2½d.; shipment, December-January, 21s. 6d. per cwt. c.i.f.

PSYLLIUM SEED.—Small parcels have been in some demand with the price round about 9d. per lb., spot.

QUILLIA BARK.—Supplies of whole bark on spot are at £28 per ton and crushed at 35s. 6d. per cwt. For shipment, whole bark, £20 per ton, c.i.f.

RED ROSES.—Dealers are quoting small parcels on spot at about 4s. 3d. per lb.

RUBBER.—Further declines recorded with the market now steadier but still rather dull. Standard ribbed smoked sheet, spot, 6½d.; December, 6½d.; January, 6½d.; January-March, 6½d.; April-June, 6½d.; July-September, 6½d. per lb.

SAFFRON.—Market is steadier, but the demand is slow. Spot, prime B.P., 53s.; extra B.P., 52s.; super B.P., 50s. 6d. per lb., and less for bulk quantities.

SEEDS.—ANISE.—Spot duty paid. Spanish, 67s.; Bulgarian lower, 37s. 6d. now quoted. CARAWAY.—Dutch now offering at 34s. 6d., duty paid, and 28s. 6d., f.o.b., Holland. CORIANDER.—Morocco new crop, 14s. 6d., duty paid; old crop, 13s. 6d.; wormy, 12s. 6d. to 13s. CUMIN.—Morocco spot quoted at 57s. 6d., duty paid. FENUGREEK.—Tunisian, 14s. 6d., duty paid, and Morocco, 13s. 6d., duty paid. MUSTARD.—English, 23s. to 32s. 6d. per cwt. according to quality.

SENGEA.—More inquiry with the market steadier: spot, 1s. 2d.; shipment, 1s. 1½d. per lb., c.i.f.

SHELLAC.—Values are lower on the week, market quiet: spot, standard TN orange, 87s. 6d. to 92s. 6d.; fine orange, 125s. to 155s.; pure button, 125s. per cwt.; for delivery, TN, December, 86s.; March, 89s. 6d.; for arrival, TN, November-December, 86s. per cwt., c.i.f.

TRAGACANTH.—The demand for industrial grades has continued on a fair scale with most interest in qualities ranging from 87s. 6d. to 95s.; there has also been support for bold amber grades in the region of 105s. per cwt. Small sales of druggists' qualities at the former rates of £27 to £28 per cwt.

VALERIAN ROOT.—The spot market is quoted dearer up to 65s. per cwt. for small lots. Forward market is uncertain.

WAX.—BEES': Market continues steady with business rather restricted: Abyssinian, spot, 102s. 6d.; shipment, 91s. per cwt., c.i.f. Benguella, spot, 105s.; in bond, 95s.; shipment, 89s., c.i.f. Conakry, spot, 102s. 6d.; shipment, 88s., c.i.f. Dar-es-Salaam, spot, 105s.; shipment, 97s., c.i.f. Madagascar, spot, 100s.; shipment, 92s. 6d. per cwt., c.i.f. CARNAUBA: Prices for some grades continue to advance with supplies very short. Fatty grey, 122s. 6d., duty paid; 110s. in bond; 105s. afloat; shipment, October-November, 104s. 6d.; November, 100s.; January-February, 96s. per cwt., c.i.f. Chalky grey, 120s., duty paid; shipment, November-December, 96s.; January-February, 89s. per cwt., c.i.f. Primeira shows a further sharp advance; 240s., duty paid; 220s. in bond; shipment, January-February, 160s., c.i.f. Mediaiana, 215s., duty paid; 200s. in bond; shipment, January-February, 150s. per cwt., c.i.f.

Essential Oils, etc.

BUSINESS continues on a moderate scale, with the recent betterment in prices steadily maintained. Brazilian bois de rose is firm on spot. A little more interest shown in citronella. Eucalyptus is dearer and very steady. Bourbon geranium is steadier. Lemongrass is at better prices, but there is not much doing. Palmarosa is fully steady. Spearmint is rather easier. Japanese peppermint has been dull, but values are maintained.

ALMOND.—Occasional small business. English-made, cwt. lots, 2s. 6d.; smaller parcels, up to 2s. 8d. Foreign, cwt. lots, 2s. 4d.; smaller parcels, up to 2s. 7d. per lb. Bitter, s.p.a., genuine French, 9s. per lb.

ANISE (STAR).—Business very restricted, with the market steady: "Red Ship," in leads, 1s. 1½d.; in tins, 1s. 9½d.; in drums, 1s. 8d.; shipment, in leads, 1s. 8d.; in tins, 1s. 6½d.; in drums, 1s. 6d. per lb., c.i.f.

BAY.—Market is quite steady as quoted at 5s. 2d. to 5s. 4½d. per lb. for 49 to 50 per cent.

BERGAMOT.—Spot business has been a little better, with prices about 5s. to 5s. 4d. per lb., as to quantity. New crop oil for shipment is stated to have offered in bulk lots at under 5s. per lb., c.i.f.

BOIS DE ROSE.—Dealers holding spot supplies of Brazilian are keeping prices fully at 5s. to 5s. 2d. per lb., and supplies are rather limited. Shipment is nominal.

CAJUPUT.—Not very much business; quoted unchanged. Spot, 2s. 2d. to 2s. 3d.; green, 1s. 9d. to 1s. 1½d. per lb., as to quantity.

CANANGA.—Supplies on spot seem to be very scarce, with any available firm at 10s. 6d. Shipment, new crop, 8s. 6d. per lb., c.i.f.

CARAWAY.—Fair business; market fully steady. Dutch rectified, five cwt., 8s. 6d.; one cwt., 8s. 10d.; smaller parcels, up to 9s. 5d. per lb. Crude, 5d. per lb. less.

CASSIA.—Occasional spot demand, with holders quoting about 4s.; shipment is at about 3s. 7d. per lb., c.i.f.

CEDARWOOD.—A steady business at former rates. American, spot, 1s. 4½d. for small lots; shipment, 1s. 2½d. per lb., c.i.f., in drums. African is offered at competitive prices.

CITRONELLA.—The shipment market for Java is rather steadier at about 1s. 2d., c.i.f., but business remains poor. Small spot lots up to 1s. 8d. and drums at 1s. 6½d. per lb. Ceylon is dull, with quantities for shipment at 1s., c.i.f., and small spot parcels about 1s. 4d. per lb.

CLOVE.—Moderate business, with values steadily maintained. Madagascar, 3s. 4d. to 3s. 6d., spot; shipment, 2s. 6d. per lb., c.i.f. English-made, 3s. 6d. to 3s. 9d. per lb. and slightly less for bulk quantities.

EUCALYPTUS.—This market is definitely firmer. Australian, 70 to 75 per cent., 1s. to 1s. 0½d.; 80 to 85 per cent., 1s. 1d. to 1s. 1½d. per lb. landed. Spanish, 70 to 75 per cent., 1s. 2d. per lb., spot.

GERANIUM.—Shipment conditions are rather steadier, but business is still restricted. Bourbon, spot, 21s. 9d.; shipment, 19s. 3d., c.i.f. Algerian, spot, 22s. 9d.; shipment, 21s. 6d. per lb., c.i.f.

GINGERGRASS.—Market has been mostly quiet. Spot, 4s. 8d. to 5s.; shipment continues to be at a premium, with offers at about 4s. 9d. per lb., c.i.f.

HO (SHUI).—Market values vary as to quality of the oil from about 1s. 9d. to 2s. per lb. Business quiet.

JUNIPER BERRY.—The spot value for a good quality genuine oil is about 3s. 6d. per lb. The finest grade is quoted up to 5s. per lb., landed. Business has been on fair lines.

LAVENDER.—Shippers' prices for finest new crop French oils are keeping well up to recent rates; inquiry, however, is of small account. Finest Mt. Blanc, 38 to 40 per cent., is offered at 25s. to 26s., landed; a good standard quality at about 19s.; and other offers are down to 15s. 3d. per lb., landed. Lavandin, new crop, 10s. to 12s. 6d. per lb., landed.

LEMON.—Sicilian hand-pressed for shipment is reported to be meeting with some business, with prices keeping at low levels in the region of 3s. to 3s. 2d. per lb., c.i.f. Machine made, 2s. 9d. to 2s. 10d. per lb., c.i.f. Californian sells now and again at former rates. Spot, in large drums, 1s. 10½d.; in small drums, 1s. 11½d. per lb.

LEMONGRASS.—Conditions in this market are steadier, with values dearer on the week. Small business. Spot, drums, 3s. 6d.; smaller packing, up to 3s. 9d.; shipment, 3s. 1d. to 3s. 2d. per lb., c.i.f.

LIME.—Rather more inquiry on spot. West Indian distilled, 21s. to 22s. per lb. for small parcels and less for bulk quantities.

MANDARIN.—Market has been dull. Spot, 12s. 6d. to 14s. 6d. per lb., as to quality and quantity.

NEROLI.—Market is steady, but quiet. Quoted at 14s. 6d., 16s. 3d., 20s. 6d. and 22s. 6d. per oz., as to quality.

NUTMEG.—English-made oil is offering at about 5s. 3d. to 5s. 6d. per lb., as to quantity.

ORANGE.—Sicilian sweet, on spot, is quoted from 6s. to 7s. per lb., as to source and quantity; shipment is nominal, although it is understood genuine Sicilian oil would cost close up to 7s., c.i.f. French Guinea oil, on spot, in drums, 3s.; with smaller packing up to 3s. 3d. per lb. Californian is steady on spot: one case, 2s. 4d.; two or more cases, 2s. 4d. per lb.

PALMAROSA.—The spot price seems to be now quite steady from 5s. 6d. per lb.; shipment offers are reported from 5s. up to 5s. 3d. per lb., c.i.f.

PATCHOULI.—The shipment offer for Singapore oil is again dearer at close up to 8s., c.i.f.; spot offers are keeping in the region of 8s. 4d. to 8s. 6d. per lb., for small parcels.

PEPPERMINT.—Business has again been very limited in volume, but prices show little change on the week and are supported by shippers' quotations. Spot, 4s. 6d.; shipment, October-December, 4s. 3d.; January-March, 4s. 4d. per lb., c.i.f. Japanese shippers quote at 4s. 6d. per lb., c.i.f. American natural oil, in drums, is steady at 3 dollars 40 to 50 cents per lb., c.i.f.

PETITGRAIN.—There are still some spot goods offering at about 4s. 4d. per lb.; shipment, December-January, 3s. 9d. per lb., c.i.f.

ROSEMARY.—A little more business, with Spanish, first quality, at 2s. to 2s. 1d. and second quality at 1s. 8d. to 1s. 10d. per lb., in quantities, spot.

SANDALWOOD.—Business on a moderate scale, with outside competition in Mysore oil. Genuine East Indian Mysore, 19s. per lb., in one-case lots, on spot. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, cwt. lots, 6s. 9d.; 56 lb., 6s. 10d.; 14 lb., 7s. per lb.

SPEARMINT.—A little more inquiry this week. Values are cheaper at about 8s. 9d., spot, with shipment down to 7s. 9d. per lb., c.i.f.

SPIKE.—This market continues firm and some holders are asking still higher prices for finest Spanish. Spot, 5s. 7d. to 5s. 9d. per lb., as to quantity. Practically nothing offering for shipment. French, spot, 9s. per lb.

VETIVER.—Market is steady; occasional small business. Spot, dearer and short at 34s. for small parcels; shipment, about 28s. 9d. per lb., c.i.t.

WINTERGREEN.—Dealers are quoting for spot at about 6s. to 6s. 3d. per lb.

WORMSEED.—A little more inquiry being received. Spot, 9s. 10d.; shipment, 8s. 9d. per lb., c.i.f.

Fixed Oils, etc.

A VERY fair volume of business in these products is reported. Cotton, coconut and palm oil are very steady. Linseed oil is dull and American turpentine is cheaper and remains quiet. ACID OILS.—Business has been moderate; market steady: coconut and/or palm kernel, 16s. 3d.; groundnut, 15s. 3d.; soya, 14s. 3d., spot. CASTOR.—Values show a sharp advance; business restricted: pharmaceutical, 38s. 6d.; first pressings, 33s. 6d.; second pressings, 30s. 6d. (barrels); cases, £4 per ton extra, ex mills, Ifull, in not less than one-ton lots; Bombay, 24s. (drums), c.i.f. COCONUT.—Market is fully steady, but rather quiet: deodorised, 23s. 6d. (barrels), spot; Ceylon, 14s. (drums), c.i.f. COTTON.—Business on a good scale, with prices showing further recovery: deodorised, 24s. 3d.; common edible, 22s. 6d.; soapmaking, 21s. 6d.; crude, 19s. 6d. (barrels), spot. GROUNDNUT.—Market has been quieter: deodorised, 29s. 6d. (barrels), spot; crude Oriental, 23s. 6d. (drums), c.i.f. LINSEED (raw, naked).—Market steadier but still rather quiet. Spot, 19s. 3d.; December, 17s. 9d.; January-April, 18s.; May-August, 18s. 4d.; September-December, 18s. 9d. Boiled oil, spot, 21s. 9d. OLIVE.—Fair business, with the market steady: edible, in tins in cases, 75s. per ten gallons; B.P., 5s. 6d. per gallon, in 40-gallon barrels. PALM.—Values are slightly better; business on limited lines: Lagos, 14s. 3d., shipment; softs, 13s. 7d., shipment; mediums, 14s. 6d., shipment; hards, 16s. 3d. shipment; bleached, 17s. 3d., spot. PALM KERNEL.—Market is steadier: deodorised, 23s.; crude, 16s. 3d., spot. RAPE.—Business is fair; market steadier. Refined, 31s. 6d.; crude, 30s., spot. RSIN.—Market is quoted easier for all grades: B, 11s. 9d.; D, 12s.; F/G, 12s. 3d.; N, 12s. 10d.; W/G, 13s. 7d.; W/W, 14s. 1d. per cwt., ex wharf. SOYA.—Values a point better; market steady: deodorised, 23s. 6d.; crude, 20s. 6d., spot. TURPENTINE, AMERICAN.—At the lower figure the market is steady; business quiet. Total London stocks, 12,250 barrels. On spot, 44s. WOOD.—Hankow, on spot, in barrels, is quoted at 47s. 6d.

Commercial Notes

INDIAN NUX VOMICA EXPORTS.—Shipments for all India for the past three seasons were as follows:—

1931-32		1932-33		1933-34	
Cwt. 20,789	\$ 34,009	Cwt. 19,978	\$ 30,463	Cwt. 59,058	\$ 101,547

CEYLON EXPORTS OF CINNAMON-LEAF AND CITRONELLA OILS.—Shipments were as follows:—

	Jan.-June, 1933		Jan.-June, 1934	
	Quantity oz.	Value \$	Quantity oz.	Value \$
Cinnamon-leaf oil ...	1,048,580	33,090	1,080,165	53,394
Citronella oil ...	646,280	166,757	732,765	158,498

U.S.A. LAVENDER OIL IMPORTS.—During the period January-August, 1934, imports totalled 103,000 lb., valued at \$311,000, compared with 88,700 lb. (\$131,000) for the same period 1933.

U.S.A. IMPORTS OF QUININE SALTS, ETC.—Arrivals were as follows for the period January-August:—

	1933 (8 months)		1934 (8 months)	
	Oz.	Value	Oz.	Value
Quinine sulphate ...	1,289,031	420,875	1,077,515	457,176
Quinine alkaloid ...	10,700	4,878	4,000	1,293
Other quinine salts ...	650,608	270,845	579,520	291,920
Cinchonine, salts ...	7,500	1,817	15,100	5,651
Cinchonidine, salts ...	24,600	7,800	67,700	32,356
Quinidine ...	47,490	22,101	108,100	55,276
Cinchona derivatives ...	240,000	1,872	480,548	4,955

Imports of cinchona bark into the United States in the first eight months of 1933 and 1934 amounted to 874,000 pounds, valued at \$257,000, and 1,010,000 pounds, valued at \$396,000.

Sudan Gum Acacia Exports

BOXALL & CO. report shipments for September, 1934, amounted to 1,078 tons, compared with 1,262 tons during September, 1933. Exports for January-September, 1934, totalled 17,362 tons, compared with 12,858 tons during the same period of 1933. The chief destinations were as follows:—

Destination	1933			1934		
	Jan.- Aug.	Sept.	Total	Jan.- Aug.	Sept.	Total
Great Britain ...	2,437	220	2,657	3,813	206	4,019
U.S.A. ...	2,084	258	2,342	2,352	94	2,446
France ...	1,190	134	1,324	2,768	117	2,885
Germany ...	1,546	150	1,696	1,746	67	1,813
Italy ...	804	126	990	914	160	1,074
Belgium ...	747	160	907	1,222	149	1,371
Japan ...	679	15	694	792	8	800
Holland ...	547	63	610	663	34	697
Spain ...	261	38	299	266	50	319
Sweden ...	181	14	195	172	8	180
Norway ...	23	1	24	40	5	45
Australia ...	298	11	309	378	48	426
New Zealand ...	40	1	41	55	—	55
China ...	120	29	149	162	28	190
Canada ...	45	5	50	106	12	118
British India ...	13	10	23	82	20	102
Denmark ...	47	10	57	112	—	112
Finland ...	29	2	31	45	18	63
Poland ...	38	8	46	45	6	51
Roumania ...	42	—	42	90	1	91
Greece ...	42	2	44	30	5	35
Egypt ...	118	2	120	111	12	123
Argentine ...	98	—	98	141	20	161
Brazil ...	40	—	40	32	7	39
Other countries ...	34	—	34	70	3	73

The export figures are made up of the following qualities:—

	Hashab	Bleached	Talha	Total
January-September, 1933 ... tons	11,593	124	1,086	12,858
January-September, 1934 ... tons	15,808	102	1,452	17,362

London Drug Auction

Commercial Sale Rooms,
Mincing Lane, E.C.3.
November 22.

AT THE DRUG AUCTION held to-day eight catalogues were submitted. The offerings covered the usual range of commodities, but on this occasion there was a fair proportion of fresh arrivals represented. The demand throughout was rather disappointing, and it was the general opinion that most of the buyers were disinclined to operate in view of the possible pronouncement of the Board of Trade Advisory Committee at any moment regarding the position of a great number of drugs, where the total exemption from *ad valorem* duty is at present under consideration. This is, of course, an item of paramount importance to the drug trade. There was no distinctive feature, apart from the strength of the BUCHU market, and stocks of this commodity are getting into very small compass. RHUBARB was held for firm rates, and whilst a fair business is passing privately, as indicated by the official return; there was nothing sold "under the hammer." DRAGONS BLOOD was very firm, and here again stocks are much reduced, the lower grades of reboiled and seedy lump having recently been cleared. IPECACUANHA was firm, without material change. BENZOIN, Sumatra, fully steady, with fair business passing privately. HONEY, rather neglected in auction, but a steady business is reported since last auction.

ALOES.—Cape: Nothing on offer, without material alteration in the position. Curaçao: Thirty-nine boxes were catalogued and withdrawn, 80s. being wanted for fair darkish liver, coarse dark retired at 77s. 6d. per cwt., both prices being "in bond." Zanzibar: Three cases, dark, in skins, were withdrawn at 65s. per cwt.

ANNATTO SEED.—Supplies are extremely scarce on the spot, and the market is almost bare. Nothing was available in auction, a parcel intended for the sale having been snapped up previously.

BALSAM.—*Tolu* was in fair supply, and a total of forty cases were available at 1s. 9d. per lb. "in bond" for fair, slightly softish. A parcel of ten cases of fair *Para* was retired for 1s. 3d. per lb. "in bond." *Peru*: Nothing in auction and privately there has been quite a brisk demand.

BENZOIN.—Continues steady, and in the sale five cases of ordinary seconds were reported as sold, without the price being disclosed. Good almond seconds were available at £7 to £7 10s., fair seconds £6 10s., duty paid. Siam: Supplies are getting short and prices are firm. Fine bold almonds, retired at £27 10s.; medium ditto, £25; small, £22; pea size, £18; grains, £17 per cwt., all duty free.

BUCHU.—There was a fair demand and brisk bidding for the small quantity on offer, and good green rounds sold at 1s. 4d. and slightly inferior at 1s. 3d. per lb. For poor yellow leaf 1s. 2d. was wanted. Ovals were firmly held at 11d. per lb.

CALUMBA.—Fifty-five bags of washed root were withdrawn at previous rates.

CANTHARIDES.—Five cases of Chinese flies were withdrawn at 3s. 3d. per lb., "in bond."

CASCARILLA.—In all seven bales were on offer, consisting of dullish quill, rather stringy, and were retired at 2s. per lb.

CHAMOMILES.—A parcel of five bales of good white Belgian flowers was held for 210s. per cwt., "in bond." This article, in particular, is marking time, pending the decision as regards *ad valorem* duty.

CINCHONA BARK.—Thirty-six bags of South American red bark were retired at 8½d. to 9½d. per lb.

CROTON SEED.—A parcel of fifty-seven bags pale Ceylon was held for 37s. 6d. per cwt.

CUBEB.—A lot of eight bags of good clean Singapore berries was held for £9 10s. per cwt., duty paid. This article is scarce.

DRAGONS BLOOD.—Was firmly held and only eleven cases of reboiled lump were on offer at from £22 to £26 per cwt., "in bond." There is a marked shortage of the lower grades at present.

ELEMI.—Twenty cases of fair No. 1 Manilla were retired at 55s. per cwt., "in bond."

GAMBOGE.—Stocks are now quite small and a total of seven cases of fair Siam pipe was available at £13 to £13 10s. per cwt., "in bond."

GUAIACUM.—The total quantity offered consisted of 18 barrels, and were retired at 1s. 3d. to 1s. 8d. per lb., "in bond," as to quality.

HENNA.—Fifty-five bags Egyptian, brownish to green bold leaf, were withdrawn at 40s. per cwt., "in bond."

HONEY.—Jamaica: In the absence of bidding most of the offerings were retired at from 32s. for dark to 45s. for pale set. Canadian was held for 48s.; Chilean, dark, 26s. per cwt., "in bond." Mexican: Darkish, 25s. per cwt., "in bond." Fair business privately reported.

IPECACUANHA.—Continues very steady. In auction twenty-six bales were retired at 5s. to 5s. 3d. per lb. for Mattio Grosso root.

KOLA NUTS.—Is at present a firm market, and 35 bags were included in catalogue, but the major portion of these had been disposed of privately.

MYRRH.—Was generally in better supply, and a parcel of 13 bags of fair Aden sorts was sold prior to the auction. There was a fair selection available, ranging from good selected gum down to grains and dust. Fair pickings were also available. Prices ranged from £6 10s. down to 40s. per cwt., "in bond."

ORANGE PEEL.—A very bright lot of thin-cut Tripoli was offered and bought in at 1s. 4d. per lb.

QUINCE SEED.—In all sixteen bags of Cape were available at 2s. 6d. to 2s. 9d. per lb.

RHUBARB.—A very fair selection of all grades was on offer. Shensi being available at 3s. 6d. per lb. for well-trimmed of good fracture. Canton was in small supply. High dried flat, two cases of dullish quality has been disposed of privately, clearing the stocks of this grade. Rough-coated flat was available at 1s. 6d., high dried round was held for 1s. 3d. to 1s. 4d. per lb.

SARSAPARILLA.—The offerings consisted of fourteen bales native Jamaica, chiefly yellow, which retired at 11d., and six bales of Mexican at 7½d. per lb.

SENNA.—Alexandrian: Fine bold selected pods continue very short, and in all the offerings comprised only middling qualities and manufacturing grades, most of which were withdrawn. Tinnevelly: Only small quantities were catalogued, but privately there is a steady demand for all grades. A few bales of fair average quality pods, very dark in colour were sacrificed "without reserve" at 1½d. per lb.

STROPHANTHUS SEED.—A parcel of 100 per cent. Kombé by Messrs. Salaman & Seaber's analysis was withdrawn at 4s. 2d. per lb., being rather cheaper.

TONKA BEANS.—A parcel of ten cases, fair frosted Para, was retired at 2s. per lb.

WAX.—The only offerings consisted of four packages of Jamaica, which were taken out at £5 5s. per cwt.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1934, p. 304.

(From "The Trade Marks Journal," November 14, 1934.)

- "LUNG TIPS"; for medicated cough sweets (3). By Hurst Bros., 11/13 Kenyon Lane, Lowton, Nr. Warrington. B550,356.
- "SEQUARINE"; for a medicated preparation (3). By G. M. Williams, 81 Lamb's Conduit Street, London, W.C.1. 551,304.
- "EFITOR"; for medicinal chemicals (3). By J. M. Large & E. Flouret, Berneuil-sur-Aisne (Oise), France. 553,082.
- "CLO-DEE"; for cod-liver oil and preparations containing cod-liver oil (3). By Health Products Corporation, 113 North 13th Street, Newark, New Jersey, U.S.A. 554,206.
- "VAPOMENTH"; for preparations containing or derived from peppermint (3). By Reade Brothers & Co., Ltd., Cleveley Road, Wolverhampton. 553,561.
- "MALLEVAL"; for medicinal chemicals (3). By P. Brun, 34 Rue du Plat, Lyon, France. 554,105.
- "SHARGLONE"; for a cough syrup (3). By Sharp & Dohme, Ltd., 76-78 City Road, London, E.C.1. 554,489.
- "MILMA" with foreign letterpress on label design; for medicinal magnesia (3). By Proprietary Agencies, Ltd., 179 Acton Vale, London, W.3. 554,351. (Associated.)
- "RECYTEL"; for all goods (3). By Harwoods, Chemists, Ltd., High Street, Watford. 554,743.
- "NUFFIX"; for preparations for the hair (46). By H. Walden, 15 Grape Street, New Oxford Street, London, W.C.1. 549,024.

Pharmaceutical Society of Ireland

Council Meeting

THE monthly meeting of the Council was held at 67 Lower Mount Street, Dublin, on November 13, Mr. D. Warwick (president) in the chair. Other members present were Messrs. J. F. Costello, F. J. Fitzpatrick, D. W. P. Boyd, M. J. Kieran, J. A. Duggan, T. J. Smith, P. Brooke Kelly, B. Hickiey, W. J. McKnight, J. Gleeson, C. Cremen, P. C. Cahill, J. T. Dwyer, K. Whelehan, J. A. O'Rourke, Sir Thomas Robinson and Miss F. M. Flood.

DEATH

At the outset of the proceedings THE PRESIDENT said since their last meeting the death had been announced of Mr. G. D. Beggs, who was one of the past-presidents of the Society. On behalf of the Council and on his own behalf he had written Dr. Beggs expressing sympathy, and he would now ask the Council to record their regret by passing a vote of sympathy with the relatives.

The vote of sympathy was passed in silence, all members standing.

CORRESPONDENCE

A letter was read from Mr. P. J. Fielding conveying his apologies for inability to attend the meeting.

Mrs. M. Walsh wrote acknowledging the vote of sympathy passed with her family on the death of the late Dr. Walsh.

CHANGE OF NAME

Mrs. D. M. Breakey (*née* Ryan), qualified assistant, wrote submitting marriage certificate and requesting change of name in the Register. The application was granted.

CHANGES OF ADDRESS

The following changes of address were notified:—

L. Grubb, M.P.S.I., from 1 King Street to 1 and 2 O'Connell Street, Waterford. Miss H. O'Donovan, M.P.S.I., from Union Hall, Leap, co. Cork, to Howard's Medical Hall, O'Brien Street, Kanturk, co. Cork. Ernest Pitt, M.P.S.I., from Fernville, Tramore, to Coolgrean, Newtown, Waterford. Michael Smith, M.P.S.I., from 141 Griffith Avenue, Drumcondra, to 124 Grace Park Road, Dublin. M. H. Cosbie, L.P.S.I., from 1 Maxwell Road, Rathgar, to Verney House, Kilternen, co. Dublin. A. J. Lyons, L.P.S.I., from c/o Connolly's Medical Hall, Drogheda, to 12 West Street, Drogheda, co. Louth. J. A. McKee, L.P.S.I., from Namboul, Queensland, to Palmwoods, Queensland, Australia. J. McKenna, L.P.S.I., from c/o Duane's Medical Hall, Ballinasloe, to 35 Thomas Street, Armagh. G. H. Parker, L.P.S.I., from 80 Rathmines Road to 220 Rathmines Road, Dublin. H. W. A. Sheridan, L.P.S.I., from c/o M. Silk, Finisklin, to Thomas Street, Sligo. J. M' Birney, L.P.S.I., from The Medical Hall, Kilkeel, co. Down, to 119 Cregagh Road, Belfast. R. O. Smythe, R.D., from 62 Ribblesdale Road to 41 Greyswood Street, Streatham, London, S.W.16. Mrs. D. M. Breakey, qualified assistant, from 166 Shelbourne Road, Ballsbridge, co. Dublin, to Market Street, Kells.

PRELIMINARY REGISTRATION

The following, who submitted Matriculation certificates, were granted preliminary registration:—

Misses M. Barry, B. Brogan, R. M. Colgan, T. McAuliffe, H. G. MacCarthy, R. A. McKnight, C. McNally, C. E. O'Reilly, E. C. Ryan, H. C. Stack, M. Walsh. Messrs. E. Buckley, G. F. Byrne, J. J. Casey, T. C. Cassidy, R. M. F. Costello, J. Donoghue, T. A. Hoolahan, P. J. Howley, M. G. Lynch, F. M. Moran, J. J. Nugent, C. S. O'Mahony, R. J. O'Mahony, P. T. O'Sullivan, H. G. Quigley, F. P. Ryan, R. J. Shore, J. Slattery, F. J. Woods.

REPORTS FROM COMMITTEES

The reports of the House and Schools Committees were adopted.

The report of the subcommittee on the Register recommended that the number of each person in the Register appear with the name in the Calendar, and also that the new Dangerous Drugs Act, with the Regulations made under the Act (when they were available), appear in the Calendar.

MR. BROOKE KELLY: Have any steps been taken to make the new Regulations?

THE REGISTRAR: They will consult us before they make them. The report was adopted.

OCTOBER EXAMINATIONS

The examiners reporting on the October Licence examination stated that twenty-eight candidates entered, of which number five withdrew and five passed. Two candidates obtained sufficient marks to obtain the Assistants' qualification. For the Assistants' examination twenty-nine entered, two candidates absented themselves, and five passed. For the Registered Druggist examination three candidates entered, all of whom passed.

MEDICAL PRACTITIONERS REGISTERED

Dr. M. J. MacDonald, Dominick Street, Galway, and Dr. Donald O'Brien, Ennis Road, Miltown Malbay, both of whom submitted L.A.H. certificates, requested to be placed on the Register of Pharmaceutical Chemists. The applications were granted.

UNIVERSITY CLASSES IN CHEMISTRY

A report made by Mr. F. J. Fitzpatrick and Mr. T. J. Smith as members of the subcommittee appointed regarding University classes in chemistry was considered in committee.

REMOVALS FROM REGISTER AND DEATHS REPORTED

The registrar reported on the following removals under Section 25 of the Pharmacy Act:—

Alfred Adams, Thomas Beattie, V. G. Bowen, J. F. Boyle, Samuel Brown, J. W. Carr, B. Connolly, R. P. Dickson, A. L. Doran, Josephine Dowling, J. J. Eggleston, David Eppel, A. H. Ewen, C. J. Fitzgerald, Chancellor Gibson, Zelick Green, H. P. Heney, W. O'C. Hunt, Samuel Irwin, W. M. Keys, J. Lanigan, A. Lennox, T. A. Long, J. C. Loughnane, J. J. Macartan, W. McBride, J. McFadzean, J. B. Mayrs, R. Mellon, J. P. Millwood, D. W. Moore, J. J. O'Brien, M. A. O'Callaghan, D. Parke, S. J. Richardson, G. E. Robinson, J. B. Robinson, Kathleen E. Robinson, J. Rorke, F. C. Smith, H. C. Smith, F. Strahan, R. Taylor, B. S. Thomson, J. J. Travers, F. C. Warren, T. G. Whitcroft, R. McK. Wilkin, R. A. H. Williams, J. R. Wilson, R. Wolfe, Brenda Yates, J. F. Young, W. L. Young.

The registrar reported on the deaths of Dr. J. A. Walsh, M.P.S.I., Mr. G. D. Beggs, L.P.S.I., Mrs. A. M. Laracy, chemist and druggist, Messrs. M. J. Smyth, chemist and druggist, John Morgan, chemist and druggist, and H. Webb, chemist and druggist.

LICENCE EXAMINATION

MISS FLOOD moved the following motion standing in her name:—"That the registrar be instructed to arrange that the written portion of the Licence examination be distributed over two days, and that the time allotted to the chemistry paper be extended to two hours." The present arrangement under which students had seven hours' work to do in one day was too hard. One of the superintendents at the last examination said the students were exhausted towards the end.

MR. COSTELLO seconded the motion.

In reply to Mr. Brooke Kelly THE REGISTRAR said it would be possible to hold the entire examination within a week and carry out the proposals in the motion.

MR. SMITH said the one hour allowed for poison law had upset the existing arrangement. The motion was carried unanimously.

EXAMINERS RE-ELECTED

The following examiners were re-elected for a further term of one year: Mr. B. Murphy and Dr. McKay (pharmacy); Dr. Keane (chemistry).

ELECTIONS AND NOMINATIONS

The following were elected to membership of the Society: Messrs. J. A. Doyle, M. J. Hanna, B. J. McCloskey, H. J. MacDevitt and E. Tanner.

The following were nominated for membership: Messrs. W. V. Bowie, 46 Kenilworth Square, Rathgar; C. L. Broderick, The Medical Hall, Athenry, co. Galway; P. J. Sheehan, Bridge Street, Strokestown; H. W. Sheridan, Thomas Street, Sligo; Dr. J. Shiel, 70 Lower Drumcondra Road, Dublin.

LICENCES SEALED

The pharmaceutical licences of the following were signed and sealed: Messrs. A. Elyan, P. J. Fullam, Miss S. C. V. Hogan, Messrs. F. McMahon and M. J. Ryan.

OTHER BUSINESS

MR. O'ROURKE said that, arising out of the coming new Dangerous Drugs Regulations, the Society should insist upon a qualified pharmaceutical chemist being employed by every firm handling "dangerous" drugs. They should send a deputation to the Minister for Justice to see this was done. Another matter they should take up with the Hospitals Commission was the question of employing chemists as compounders in the hospitals. The Commission was looking after the interests of the medical men and the nurses, but nothing was being done for the chemists. It was not fair to the doctors themselves that nurses, and sometimes the porter, should be dispensing medicines in some of the hospitals while pharmacists were available.

THE PRESIDENT suggested that Mr. O'Rourke raise the matter at the next meeting.

Pharmaceutical Society of Northern Ireland

Council Meeting

THE monthly meeting of the Council was held on November 16 in the Society's headquarters, 73 University Street, Belfast, the president (Mr. Fred Storey) in the chair. There were present also Messrs. S. S. Badger, J. E. Connor, J. F. Grimes, Samuel Gibson, S. H. Forrest, W. S. Taylor, Walter Tate, J. T. Nicholl, Charles Abernethy, R. I. Edwards, Professor James Small, Professor E. B. C. Mayrs, and Dr. S. E. A. Acheson. Mr. David Kirkpatrick (secretary) was in attendance.

CORRESPONDENCE

Mr. W. S. Taylor, Enniskillen, wrote thanking the Council for his election to the vice-presidency, and regretting that he could not be present as he had been unwell for the past few weeks. He hoped to be present at the December meeting.

THE PRESIDENT said that several members of the Council were ill—Mr. Moore, Mr. Martin, and Sir Thomas McMullan—but he was glad to say that they were all improving.

Mr. G. W. T. McCann, Portrush, wrote thanking the Council for their good wishes on the occasion of his retirement from the Council.

Mr. Scott T. Linton, Cloughmills, wrote acknowledging receipt of the book recently presented to him in connection with his examination success.

A letter was read from Mr. James McDowell, Newtowards Road, Belfast, as to the legality of a registered chemist being declared elected an associate member of the Council when his name did not appear on the official Register of Registered Druggists. He had raised the question at the annual meeting. He asked for the reply of the Council at an early date.

THE SECRETARY said that the matter was brought up at the annual meeting. He went to the solicitors about it, and was told: "All you have to concern yourself about is the list of members and the list of associates. If the names of those gentlemen are on the associate list, they are quite entitled to be elected to the Council to represent the druggists' section." That was the solicitors' advice, and he believed it was sound. If this gentleman or anybody wanted to contest the matter, let them take an action at law and have it settled.

THE PRESIDENT said they had nothing to do with the preparation of the Register.

THE SECRETARY said the names referred to were on the Register, and that was all he was concerned with. It was unanimously decided to inform Mr. McDowell that legal opinion had been taken and that the election was quite in order.

EDUCATION COMMITTEE

The report of the Education Committee contained the following:—

It was agreed that the Certificate of Apprentice to a Pharmaceutical Chemist be granted to the following students, who submitted certificates from the undermentioned bodies:—

Andrew Henderson Black, The Old Hill, Corvanaghan,

Cookstown (1931). Walter Wesley Burns, Auburn, Dumberry (1933). John Joseph Collins, Stream Street, Downpatrick (1932). Andrew Johnston Morrow Crozier, 17 Lisburn Road, Belfast (1933). David Getty, 8 Victoria Terrace, Kinshill Street, Ballymena (1933). Robert James Hall, Milburn, Portstewart Road, Coleraine (1932). Junior Certificate Examination, Ministry of Education, No. I.

John Chapman, Mulladry, Portadown (1934). Stanley Herbert Cohen, 35 Priory Park, Balmoral, Belfast (1933). Thomas Leslie Douglas, Clarence Villa, Avenue Road, Lurgan (1934). William Franklin Ginn, 88 Wellesley Avenue, Belfast (1934). Eugene Peter Murphy, Bridge Street, Rostrevor (1928). John Gerald Quigley, Market Street, Limavady (1934). Dermot Bradley, Arrochar, co. Antrim (1934). Senior Certificate Examination, Ministry of Education, No. I.

Alan Seaton, 44 Sydenham Gardens, Belfast (1934). Pharmaceutical Preliminary Examination, Queen's University, Belfast.

James Craig Campbell, Ballynure, co. Antrim (1929). Educational Institute of Scotland.

On the motion of MR. BADGER, seconded by MR. CONNOR, the report was adopted.

PRESENTATION OF BADGE

THE SECRETARY said that the Derry chemists were anxious that the presentation of the badge to the ex-president should take place in Londonderry, where Mr. Maxwell lived. He thought a deputation should go from the Council, and at the same time Mrs. Storey, chairman of the ladies' local committee for the Conference, could meet the Derry ladies and interest them in the Conference. The Derry people were anxious to do their best to help the Conference, and they suggested the presentation should take place on November 29.

Messrs. Gibson, Grimes, Forrest, Abernethy, Moore, with the president and secretary, were appointed as the deputation. It was intimated that Mrs. Storey could accompany the deputation to meet the ladies of Derry in connection with the Conference.

In reply to a question, THE SECRETARY said that all members of the Pharmaceutical Society of Northern Ireland were members of the British Pharmaceutical Conference. That had been ratified in Leeds. There would be no increase in the subscription.

MR. GIBSON intimated that the Chemists' and Druggists' Society of Ireland had voted £25 to the Conference Fund.

THE SECRETARY said that the ladies' whist drive had yielded about £60, which was very satisfactory.

THE PRESIDENT said that the result was very gratifying.

MEMBERS ELECTED

The following nominated candidates were elected as members of the Society:—Daniel Joseph Morris, c/o H. W. Colley, Ltd., 253 Cleethorpe Road, Grimsby. William Paul Ewart, The Rectory, Magherafelt, co. Derry. Herbert Augustus Nelson McKinty, 11 Dunluce Street, Larne.

The Importance of Bacteriology

THE first Edinburgh evening meeting of the Pharmaceutical Society's winter session was held at 36 York Place on November 16, Mr. David Harley (chairman of the Executive) presiding.

THE CHAIRMAN extended a cordial welcome to the large audience, and expressed their pleasure at having with them Mr. J. P. Gilmour, a former chairman of Executive. He then presented the Ph.C. diplomas to eight students. In introducing Professor T. J. Mackie, M.D., LL.D., the chairman said that bacteriology now found a place for the first time in the British Pharmacopeia, and the subject was of growing practical interest to pharmacists. They were familiar with the text-name of Professor Mackie in connection with the textbook "An Introduction to Practical Bacteriology." He had pleasure in calling upon Professor Mackie to give the inaugural sessional address.

Vis Medicatrix Naturæ

PROFESSOR MACKIE remarked that to a pharmaceutical audience the subject of the address "Vis Medicatrix Naturæ"—the healing power of nature—might seem an unusual one; but it was important to all concerned with the control and treatment of disease to appreciate not only the malign forces of nature by which the animal body is beset but also the benign natural processes by which, apart from all the artifices of scientific medicine, the living organism cured itself of its disabilities. Hippocrates, the father of medicine, over 2,000 years ago enunciated the principle that "nature is the physician of our diseases," and devoted himself to the study of the natural history of disease at a time when medicine was merely a mystic cult. The *vis medicatrix* not only implied the repair of a damaged tissue or organ but connoted complex biological adaptations whereby the organism maintained its somatic existence even after the loss or breakdown of a bodily structure. It implied also the natural defences of the body against disease-producing parasites and their noxious products: in fact nature had offset the destruction of animal life by microbial attack and endowed the animal body with a natural mechanism of defence—otherwise animal life on this planet would have been impossible alongside the microbes with which it abounds.

Medicine as it had evolved in the modern scientific idea had not been content to await passively the issue in the struggle between microbe and host, but had attempted to imitate nature and supply artificially the equivalent of the *vis medicatrix*, both for the prevention and treatment of disease. Early in the eighteenth century Lady Montague, wife of the British Ambassador in Turkey, introduced into this country the Turkish practice of protection against the severe and fatal form of smallpox by inoculation with a mild form of smallpox. This was objected to as intruding on the sphere of the Almighty, and was opposed by the clergy. It was not free from danger, because it entailed the artificial propagation of a dangerous disease-producing agent in the community; and the practice was dropped. Edward Jenner in 1798 introduced the present system of smallpox prevention by inoculation with the cowpox virus—a modified form of the smallpox virus.

DISCOVERIES IN THE NINETEENTH CENTURY

The discovery of the pathogenic microbes in the nineteenth century opened the way for the systematic prevention and treatment of infective disease by biological methods. Pasteur was the pioneer of this branch of science, which we now called applied immunity. Pasteur discovered methods of attenuating the virulence of living microbes so that they could be inoculated without harmful effects in order to produce immunity. Finally dead bacteria were used for the same purpose when it was found that the living microbe was not always necessary for the production of immunity. The next advance was due to Emile Roux, director of the Pasteur Institute in Paris, who discovered the diphtheria toxin to which Behring discovered the antitoxin, the

latter being produced in the body of a person or animal when subjected to the toxin and appearing in the blood. When a more lasting resistance was required the toxin itself was injected to stimulate immunity as in the present method of immunisation against diphtheria, the toxin being first rendered innocuous by chemical treatment with formalin. Some individuals, possibly as a result of previous non-injurious doses of the diphtheria bacillus, manufactured in their bodies sufficient antitoxin to render them insusceptible, and these persons could be recognised by a simple test—as, for example, in the local inflammatory condition with the so-called Schick reaction. Other diseases had been combated in the same way. The prophylactic value of tetanus antitoxin was strikingly demonstrated in the war. In one month the incidence of tetanus among wounded soldiers fell from 31.8 per 1,000 to 1.7 per 1,000. For the poisons of many microbes, unfortunately, no antitoxin could be produced, and resistance to these reactions depended on a more complex mechanism (involving the destruction of the germ itself), which was not so amenable to human artifice. However, many diseases of this type could now be prevented by vaccination with dead bacteria or with living germs after their virulence had been artificially reduced. This was well illustrated in the prevention of typhoid fever. Plague, cholera and various other infective diseases could be controlled in the same way.

LIMITATIONS

There were important limitations of artificial immunisation. Thus dead tubercle bacilli would not stimulate immunity to tuberculosis, otherwise by now this disease might have been brought under artificial control and practically extinguished. An attenuated tubercle bacillus had been used on the Continent for immunisation, but its safety and efficiency had still to be established. The serum of animals immunised against various microbes had also been used for the treatment of infective diseases, but there were limitations to this method. It was difficult to produce an immune serum for certain species which was sufficiently comprehensive in its activity to deal with all varieties. This was the case in pneumonia, and had proved a serious obstacle to the treatment of this disease by an immune serum. Two varieties, however, of the causative organism predominated, and these infections were now being treated with the corresponding antiserum. Vaccines of dead bacteria were also used as a kind of whip to whip up the body resistance and bring about an amelioration of the condition. The horse had been the usual biological factory for the manufacture of antitoxins and other immune substances, its blood serum constituting the biological material containing these substances; and this involved no more suffering to the animal than the pricks of a hypodermic needle. Sometimes patients convalescing from an infective disease were asked to supply the immune substances they had themselves manufactured during the illness for the prevention and treatment of the disease in others. In this way measles could be effectively checked if the serum were injected early enough after exposure to infection.

In this lecture he had taken most of his examples from human medicine; but animal medicine provided equally good examples, and, indeed, even more successful illustrations. Great progress was being made in animal medicine, often with quite spectacular results. A few years ago the highly fatal disease of lamb dysentery was prevalent throughout the country with great economic loss to farmers. It was discovered that this disease was due to a bacterial infection, producing a highly poisonous toxin analogous to the toxin of diphtheria and tetanus. This discovery made it at once possible to adopt methods of preventive immunisation against the disease. Since then this condition has been reduced to almost negligible proportions. When one reflected on what had been done in recent times, the prospect was encouraging. The bulk of our Pharmacopeia consisted of mere palliatives. He did not use that

term in any derogatory sense because, as a matter of fact, they could not carry on without palliatives, and the pharmacist would continue to be engaged in the preparing of therapeutic remedies. But the future of therapeutics and prophylaxis lay in the discovery of new specific remedies. Bacteriology would undoubtedly contribute further to our knowledge of the prevention and treatment of disease.

Vote of Thanks

MR. J. P. GILMOUR, in moving a vote of thanks to Professor Mackie, said as a pharmacist he was concerned mainly with the bearing of biological therapeutics on the practice of pharmacy. Having lived through the period so graphically described by Professor Mackie, it was exceedingly interesting to have the whole subject brought up to date. In all his experience he had never heard a lecture which set forth so clearly the outline of the history of bacteriology in its application to therapeutics and also the results of recent research and the prospects of still further developments.

DR. STEWART MACDOUGALL, in seconding, said he had been interested in bacteriology for many years. There was a story of an epidemic in the Highlands of Scotland due to bacterial infection. One Highlander, reading the story to another and coming across the word

"microbe," said that the epidemic was due to an attack of "MacRobbies," that being his pronunciation of the word "microbes." The Highlander to whom he was reading the story remarked, "I always knew that the MacRobbies were a dirty clan." It should be remembered, however, that while bacteria caused a number of diseases, and while Professor Mackie naturally dealt with that aspect of the question, many bacteria were benign. Lucerne now yielded a highly nutritious fodder for cattle. It was not a British plant, and at first the particular bacterium adapted to lucerne did not exist in British soil in sufficient quantity. After its introduction to the soil experiments in various parts of Scotland had resulted in an increase of from 50 to 100 per cent. in the crop of lucerne. Professor Mackie was really the *fons et origo*, as chairman of the Animal Diseases Research Association, of the wonderful developments by immunisation in the treatment of animal diseases to which he had alluded.

PROFESSOR MACKIE, in acknowledging the vote of thanks, said this was the first occasion on which he had addressed a pharmaceutical audience, and he was beginning to feel that his contact with the pharmaceutical profession had perhaps been too long delayed. In all probability the relationship between bacteriology and pharmacy would be much closer.

A Mock Parliament and Its Bill

A MEETING of the West Ham and Eastern District Association of Pharmacists was held at Stratford, E., on November 15. The meeting found an opportunity for at least twenty members of the Association to take part. The younger members were particularly active. Question time provided a large crop of pharmaceutical questions; and although many were humorous, the serious side of business was emphasised. The "Ministers" had some difficulty in dealing with them. The Prime Minister (Mr. W. Gray, the president) acquitted himself well. When questions were over the House considered the first reading of the following Bill.

A BILL TO

Prohibit the sale or supply of any and all medicines, drugs and chemicals to be used for the relief, prevention or cure of any human ailment or malady by any person or persons, other than pharmacists.

Be it enacted:

1. Subject to the provisions of this Section, no persons shall . . . supply or offer for sale or supply a medicine, drug or chemical to be used for the relief, prevention or cure of human ailments or maladies unless such person is a duly registered pharmacist according to Section 1 of the Pharmacy and Poisons Act, 1933. The following exceptions shall be made:—

(a) Duly qualified medical practitioners may supply medicines in emergencies, such as in case of accident during the night or at other awkward times when it is otherwise impossible to write a prescription which can be dispensed by a duly registered pharmacist.

(b) A duly registered dentist may use such medicines, drugs and chemicals as are necessary in his practice.

(c) The supply of medicines by a nurse to a patient, provided the medicines have been obtained from a duly registered pharmacist.

(d) The administration of a medicine, drug or chemical which has been obtained from a duly registered pharmacist is not subject to the provisions of this Act.

2. It shall not be lawful for any dispenser in his Majesty's Forces who is not a duly registered pharmacist to dispense, supply or sell any medicines, drugs or chemicals.

3. It shall not be lawful for any dispenser in his Majesty's Navy who is not a duly registered pharmacist to dispense, supply or sell any medicines, drugs or chemicals.

4. It shall not be lawful for any dispenser in his Majesty's Air Force who is not a duly registered pharmacist to dispense, supply or sell any medicines, drugs or chemicals.

5. It shall not be lawful for any person to dispense, supply or sell any medicines, drugs or chemicals in any hospital, public institution, prison, asylum or any similar institution

unless such person is a duly registered pharmacist, or under the personal supervision of a duly registered pharmacist.

6. Nothing in this Act shall interfere with any *bona fide* wholesale transaction. The word "wholesale" to have the same meaning as it has in the Pharmacy and Poisons Act, 1933, that is, "sale to a person who buys for the purpose of selling again."

7. Subject to the provisions of this Act, a wholesale dealer who is supplying any medicine, drug or chemical for the relief, prevention or cure of human ailments or maladies, other than by wholesale, must be a duly registered pharmacist, or his business must be under the personal supervision of a duly registered pharmacist.

8. Any person acting in contravention of any of the provisions of this Act shall, in respect of each offence, be liable, on conviction on indictment, to imprisonment for a term not exceeding twenty years, or to a fine not exceeding £1,000, or to both such imprisonment and fine, or on summary conviction to imprisonment for a term not exceeding six months, or to a fine not exceeding £100, or to both such imprisonment and fine.

9. In England and Wales a prosecution for an offence under this Act shall be instituted by the Pharmaceutical Society of Great Britain.

10. The Chief Officer of Police, or an Officer of Police not below the rank of Inspector appointed by the Chief Officer for the purpose may, if he has reasonable ground for suspecting an offence under this Act has been committed, require any such person who has been concerned to give such information as is in his possession, and if that person fails so to do, he shall in respect of each offence be liable on summary conviction to imprisonment for a term not exceeding six months, or to a fine not exceeding £100, or to both such imprisonment and fine.

11. This Act may be cited as the Pharmacy and Poisons (Amendment) Act, 1935. This Act shall come into operation on such date not being earlier than the expiration of six months after the passing thereof as his Majesty may by Order in Council appoint.

12. This Act shall not extend to Northern Ireland.

The Bill was introduced by Mr. Clifford Jones, who took the part of Minister of Health. Mrs. Clifford Jones, as Leader of the Opposition, suggested that it was a virtual monopoly that was being desired, and that Parliament had no reason for giving a monopoly to any section of the public, for it would only lead to higher prices being paid for the necessary medicines of the people.

It was considered by the large number of members who were present to have been a most interesting, amusing and instructive meeting, and such a meeting is likely to be held again on future occasions.

A Handsome Pharmacy

OUR illustration shows the new headquarters of Mr. G. W. Hales, M.P.S., Ipswich, who has branches in Colchester, Leiston, Woodbridge, Framlingham, Lavenham and Debenham. One of the principal features of the building is the canopy stretching the whole length of eighty-eight feet, five feet wide, bearing the name and description of the premises on the front. An optical sign in the form of a pair of spectacles appears above the canopy between two windows. Another striking feature is the lighting. The shop is lighted by amber lights throughout, those under the canopy consisting of tubular lights of a beautiful rich colour which when lit up at night produce a pleasing and inviting effect. The facia and pilasters are of green and black enamelled steel, and contrast very effectively with the red brickwork. The floors are covered with cork, which is silent and effective. Another striking element of modernity is provided in the shape of two artificial windows let into the wall, which are illuminated from inside and act as advertising mediums.



There are extensive and convenient cellars. The flat roof is covered with heat-resisting tiles, which keep the upper stories cool in the hot weather, and it is being converted into a garden. There is also a telescopic staircase to the roof which easily closes up and is pulled down when in use, making for convenience and room. There are three departments, the pharmacy, stationery and fancy goods, and grocery. Rooms are also specially constructed and arranged for optical and photographic work. The building has taken eleven months to erect and complete with its furnishings, and standing boldly at a corner makes a very imposing sight. There were at times about twenty-four men employed (and at least twelve throughout the winter months). To complete the building an outside clock is to be put up. The colour scheme is green, cream and black. The premises, as already announced, were officially opened by Lord Cranworth on June 28 with the name "Cranworth Buildings." The architect is Mr. George Gould, A.R.I.B.A., of Clacton; the builders are Cubitt & Gotts, Ipswich; the shopfitters J. R. Pearson, Ltd., Birmingham; and the electricians Martin & Newby, Ipswich. The building is fitted with Evans & Co.'s lifts.

WHY THE GAS WAS THERE.—Councillor J. S. Snell, M.P.S., a member of Accrington and District Gas Board, told a good story at an inaugural ceremony at Accrington recently. He said that while travelling to Blackburn he noticed the holder empty. Returning a few hours later, he saw it was full. His curiosity aroused, he asked an old inhabitant the reason for the sudden inflation. The reply was, "Why, there's bin a Cawncil meeting this afternoon."

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 28 Essex Street, London, W.C.2."

Report on the October Analytical Exercise

(Concluded from the C. & D., November 17, p. 614)

To Correspondents

E. J. LAX.—Your analysis would have been more complete if you had definitely established the absence of lead, tin, aluminium and chromium.

ARTHUR MORRELL.—Do not overlook the fact that a dark precipitate, such as one containing bismuth sulphide, might include and might mask the colour of a yellow sulphide such as that of cadmium or of arsenic if present in small proportion only. Note that ammonium ferrous sulphate contains about 28 per cent. of water of crystallisation.

SAIE.—Since ninety per cent. of the powder was soluble in cold water, it is difficult to understand how you came to report it as "almost insoluble." Your own suggestion that the mixture contained ammonium ferrous sulphate should have led you to a different opinion as to its solubility.

W. A. S.—The evidence that you have set down appears to confirm the presence of the mercury that you report, but mercury was not present. You seem to have suspected bismuth, but to have concluded eventually that it was absent.

Mirosis.—The fact that hydrogen sulphide did not produce a precipitate in the solution of the powder in hydrochloric acid indicates that the acid was present in too concentrated a state. Bismuth sulphide is held in solution, partially or entirely, unless the acid is highly diluted. The precipitate you attributed to aluminium was probably due to bismuth.

SINAPIS.—While the constituents that you report were actually present, you should not have omitted to prove the absence of various metals of the copper, iron and zinc groups, and of magnesium and the alkali metals. In testing for acidic radicals, you mention adding barium chloride and silver nitrate, but you do not indicate what you added these reagents to.

COLUMBUS and ESTURA.—See the first sentence of the reply to "W. A. S."

ENDEAVOUR.—It is not clear how you were led to report the presence of mercury, since there was no constituent present that could yield a black precipitate with ammonia. The precipitate that you supposed to indicate calcium was probably due to bismuth.

MAG. CARB. LEVIS.—Get rid of the incorrect idea that the non-evolution of brown fumes on heating a substance proves the absence of a nitrate. Try the effect of heating potassium nitrate, for example, on porcelain or in a hard glass tube.

ABERCORN.—If you had applied a confirmatory test for a nitrate you would have obtained a negative result.

PAT.—You did not devote sufficient care to your analysis or to the writing of your report. Thus you mention heating the powder with ammonium hydroxide, observing no change, and concluding that there was "no ammonium compound." You describe the powder as "insoluble" in water. You report the smell of hydrogen sulphide on adding dilute hydrochloric acid and attribute this to a sulphite, whereas hydrogen sulphide was not evolved, and if it had been that would not indicate a sulphite.

EIRE.—It would seem as if part of the bismuth, not eliminated at the proper stage, gave rise to reactions later in your analysis that led to incorrect conclusions concerning barium and magnesium. Note particularly that merely dissolving an iron-group precipitate in dilute hydrochloric acid would yield a solution which would not contain chromium as chromate and could not yield reactions due to the latter; also that the acid solution could not give a reaction for aluminium on the addition of ammonium chloride.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Thallium Acetate as a Depilatory

SIR.—With reference to the paper which I read recently on "Cosmetics," and which was reported in a recent issue of THE CHEMIST AND DRUGGIST, my attention has been drawn to the mention of the use of salts of thallium as a depilatory, which is made therein. Whilst I did not recommend this, or, indeed, any other cosmetic, perhaps you will allow me a little space to draw attention to the dangerous nature of these compounds. In doing so, I make use only of a small number of references to the matter out of a large number which I have collected. Dr. Roche Lynch has pointed out that, even in small doses, thallium acetate brings about a degenerative change in nerve cells, and showed that such changes occurred in the brain of rats to which this substance had been administered by subcutaneous injection, and that, doubtless, the human brain would be similarly affected. The B.P.C. monograph on thallium acetate states that the effect of the compound as a depilatory is slow and is not permanent, and that the margin between the dose required for epilation and the toxic dose is extremely small. It is too powerful a drug to be used for routine treatment. Clark's Manual of Pharmacology contains the following statement: "Thallium salts seem to resemble those of lead in their effects, but have a powerful depressant action on the heart, and are said to be more poisonous." Richet states that an injection of thallium acetate is followed by a general atrophy of the muscles, especially those of the jaw and the spine, whilst its continued use caused a loss of hair in man and in animals. These references will serve to emphasise the toxic nature of this drug, and I venture to bring this matter to the notice of pharmacists, lest any should be inclined to make and supply a preparation of thallium as a cosmetic.—Yours faithfully,

E. G. BRYANT.

Birmingham.

Photographic Dealers' Association

SIR.—Rumours are being circulated by interested parties with the object of weakening the photographic dealers' organisation. The truth is that the withdrawal of the Federated Photographic Manufacturers from the Joint Council scheme of regulation of accounts has reinvigorated the Photographic Dealers' Association and given a fillip to its membership which is now over 10,000. It is evident both from correspondence and the particularly large attendances and the enthusiasm being shown at branch meetings that members are united in support of the Association, which is determined to protect their photographic interests. The National Council are proceeding with negotiations which will undoubtedly be of great benefit to our members. The P.D.A. has never been stronger than it is at the moment, and it will be within the experience of many dealers that events which at first sight appear to be adverse have frequently been turned to advantage. Those who value their photographic business are urged to give real support to their local branch and the National Council of the P.D.A.

Yours faithfully,

E. J. ANDREWS,
General Secretary,
Photographic Dealers' Association.

London, W.C.1.

Approved Photographic Dealers

SIR.—Reports are being received from approved photographic dealers which allege that certain representatives are stating that:—"The P.D.A. has in the past opened new accounts on his (the representative's) ground in opposition to old customers." It is necessary for this misstatement to be promptly denied. All those engaged in the retail photographic trade should know that no application for approved dealership has ever been made

by the P.D.A.; in fact, the regulations of the Joint Council are that applications can only be considered which have been made and supported by members of the Federated Photographic Manufacturers. Applications from the photographic wholesalers have similarly had to have the endorsement of the manufacturer. Of the thousands of applications considered by the Joint Council, 99.8 per cent. came from the roll film manufacturers, very few indeed from the solely apparatus manufacturers. It is therefore evident that all applications were made by the manufacturers and wholesalers who must accept responsibility for them.—Yours faithfully,

C. T. THONGER,

Vice-President,

Photographic Dealers' Association.

Birmingham.

Future of the Photographic Trade

SIR.—The decision of the Federated Photographic Manufacturers to withdraw from the Joint Council (C. & D., November 17, p. 602) can but result in an extension of the retail distribution of films to all kinds of shops. I mention films only because it is unlikely that traders who are not regular photographic dealers will undertake the sale of apparatus. In many places this summer newspaper shops, tobacconists and others have exhibited showcards advertising D. and P. work at nearly half the P.D.A. scale of charges, and if they can get a supply of films without restriction they will be sure to add a line to their stocks. Even with the Joint Council scheme in force it has been possible to see shops which are obviously not carrying on the business of photographic dealers exhibiting photographic showcards and signs. The absence of any control can only mean that the sales will be spread over an indefinite number of shops and none of them will secure a profitable amount of business. Such a position would not be in the best interests of the genuine dealers, of the manufacturers, or even of the consumer.—Yours faithfully,

FOTOPHAR (16/11).

The Pharmaceutical Society's Best Investment

SIR.—A definition of pharmacy would differ, depending upon whom you asked. If you asked a chemist engaged in manufacturing pharmacy, and then asked a chemist with a small business (these little men of pharmacy comprise the biggest number of chemists to-day), you would get two entirely different definitions. The first man would talk in the language of ancient and classical pharmacy, in the language of the B.P. and B.P.C. The second man would talk in the language of modern pharmacy, in the language of business, of buying and selling and of how to earn a livelihood. If we accept the position that pharmacy is defined by the appearance of the business carried on in chemists' shops, then there is a definite trend toward a separation of Pharmacy with a capital P, where drugs and galenicals are manufactured, and pharmacy of the little man, where things are sold, be they cigarettes or patent medicines. With the latter a little dispensing (chiefly N.H.I.) is unwantedly carried on, because the chemist qualified with idealism in his heart and nothing in his pocket. He finds it much easier and possible to make his living buying and selling; if he can sell enough (for we know he cannot get enough dispensing), he is better off than sticking to dispensing, because he can make a 1s. 3d. sale and pocket 3d. or 4d. profit in the time it takes him to write a label for a bottle of medicine on which he may make no more. This accounts for the general store appearance of chemists' shops, and why the repeated requests of manufacturers of drugs are constantly ignored. The retailer knows that if he filled his window with drugs only the whole year round the results would not give him a living. Has the chemist any

remedy? He himself has not. Unless he has private means he has to sell what brings him in his bread and butter. The chemist should be able to look to his Society for guidance, but will he see any there? He will see that from his subscriptions the Society has accumulated quite a lot of money which it intends to invest in bricks and mortar. But the best investment the Society can make is in raising the position of the humble pharmacist. How much good could be done with this money if invested in propaganda and in buying help for legislation? The finest edifice the Society could raise would be raising the position of the pharmacist so that he became a dispenser and seller of drugs and medicines, and everything he qualified for. The Society intends building a new home. To impress whom? How many people will see it, and having seen it will think any better of chemists? More people see its representatives, the chemists, and looking into their windows see into the conditions of pharmacy. No amount of money spent on elaborate buildings will elevate the business of the chemist. As his business deteriorates into the semblance of a general store, so the position of the Pharmaceutical Society is lowered in the public esteem. The Society should build up from its foundations, i.e., the chemists' shops, and let each be a standing testimonial to the profession of pharmacy. The aim of the Society should be to spend its funds in getting dispensing for the chemist so that he can make a living out of it alone, even if it takes a number of years to obtain. The Society must surely see that it is drifting away from its members, and it is left with little alternative if it wishes to retain its former closer contact. It must be admitted that a step has been made in bringing the examinations up to date, but the Society must go farther and bring its constitution up to date. If the Society cannot raise the tone of its members' vocation, then it must seek parliamentary powers to amend its Charter. To remain aloof is to drift away.

Yours, etc.,
L. CARR.

Leeds, 7.

Proposed Limitation of Retail Shops

SIR.—Limitation of retail shops (*C. & D.*, November 17, p. 593), although perhaps difficult to carry out, may yet become a necessity. The figures given at the meeting of the British Sales Promotion Association show that retail shops are increasing about four times as rapidly as the population. I notice that it takes 2,300 persons to support a chemist at one end of the scale and 180 to support a grocer at the other end; yet there are only about four times as many grocers as chemists. I recommend this figure of 2,300 to those pharmacists, often just out of their apprenticeship although possessing their qualification, who somewhat rashly start a business in growing neighbourhoods, without, I fear, much preliminary investigation. It should not be difficult to find out the average population in the district where they propose to open; and unless the population is rapidly growing and they have sufficient capital to carry on for a year or two, I suggest a further period as assistants or managers would be better than incurring the risk of losing their capital. The number of times stock is turned over has a good deal of bearing on this subject. I note from another set of figures that a grocer turns over his stock ten times yearly, as does a tobacconist. Boot and shoe shops and furnishing concerns turn over 2.5 times a year; it is unfortunate that there are no figures available to show the position of the chemist in this matter.—I am, etc.,

MANUFACTURER (19/11).

Draft Poisons List

SIR.—Mr. E. A. Atkins, in his address to the South-West London Association (*C. & D.*, November 10, p. 584), dealt with the omission of aspirin from the draft Poisons List, and quoted a fatal case in which a young girl was taking aspirin secretly while the doctor was prescribing it. This is an instance of what must be happening daily, although not often with fatal results. The symptoms of a cold or a twinge of rheumatism, and a dose of aspirin is the first thought; if the symptoms

develop there is a visit to the doctor, who prescribes mist. acid. acetylsal. with a 10-gr. dose, so that altogether the patient is taking 60 gr. or more daily. Another element of danger is introduced by the method of colouring aspirin tablets pink for dispensing in the doctor's surgery, presumably in order that the patient may not guess what they are. One man, a panel customer, brought in a script for mist. acid. acetylsal., and admitted that he was taking aspirin tablets as well on his own account; two days later, not feeling any better, he paid another visit to the surgery and saw the doctor's assistant, who, as it was after 8 p.m., gave him some pink tablets to relieve him temporarily. So this was repeating the dose three times over. Another point Mr. Atkins referred to was the way in which the safety of aspirin has been stressed by advertisement; an even greater danger to my mind is the way in which it is sold under other names.—Faithfully yours,

CAUTION (20/11).

The Need for Local Associations

SIR.—Your article on "The Need for Local Associations" (*C. & D.*, November 17, p. 607) takes one back in memory to the days when these associations were live bodies doing useful work and were well supported. They were inaugurated by local chemists themselves and were independent. The passage of time altered conditions; the institution of the branches of the Pharmaceutical Society caused overlapping of meetings, and insurance matters were taken over by the National Pharmaceutical Union. Under the completely new set of conditions with which we shall be faced when the new Act comes fully into force there is much to be said for your suggestion to revive the local associations; I feel the time is ripe when there would be considerable support for independent local associations which existed for helping chemists in business matters and where they could raise any questions about details of trade conduct. There would be no necessity to waste time or money on entertainments or social affairs. If, as is quite possible, such associations represented the majority of chemists in a district, any resolutions sent forward would bring considerable pressure to bear as showing the feeling of pharmacists generally.—Yours truly,

OLD ASSOCIATE (19/11).

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics

Hawking Chemists' Goods

"Rural Chemist" (*C. & D.*, November 17, p. 621) has rendered a signal service in exposing the fallacy of fortune making by hawking chemists' goods. "All is not gold that glitters" is a trite saying, and such ventures invariably cause considerable loss. I have known of several such, which had eventually to be abandoned. Nevertheless, the fact that such ventures are being made is symptomatic of the times, and points to the need for reserving the supply of medicines to the chemist. It is futile to resort to selling the other man's goods. That makes for confusion all round. "Let the shoemaker stick to his last."—*Scotia* (20/11).

Appreciation

The *C. & D.* is noted for the services it renders to pharmacists in the way in which it keeps them up to date with all the modern developments connected with their business; and the article on "Modern Views on Familiar Ailments" (*C. & D.*, November 10, p. 572) is a typical example of this. Almost daily customers bring their children because they have developed a few spots, and the chemist is able to tell them if they should seek medical advice. In spite of the advance of general knowledge, the institution of clinics and other health services, there are many people who still remain ignorant of elementary facts, and even when they know that their children have probably contracted some infection they do not seem to realise the importance of isolation and other precautions.—*Tabulate* (12/11).

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

J. S. J. (12/108).—**DESTROYING MOLES.**—Moles generally feed on animal substances, so that shredded meat or earthworms could be employed as a base for the poison. The use of strychnine is not as a rule attended with success; red squill or carbon disulphide is much to be preferred. Methods of using these preparations are given in "Pharmaceutical Formulas," Vol. II, pp. 40 and 41.

A. E. B. (12/108).—**WATERPROOF GLUE.**—Your sample of waterproof glue consists of a mixture of casein and lime. Formulas for such preparations are given in "Pharmaceutical Formulas," Vol. II, p. 612, from which the following is selected:—

Casein, in powder	...	...	200 parts
Camphor, in powder	...	...	1 part
Quickslime	...	...	40 parts

Mix and keep in a well-closed bottle. For use make the powder into a cream with water and apply immediately.

In making these cements care must be taken to ensure that the casein contains practically no fat.

R. P. F. (27/9).—**DOG SHAMPOO.**—This dog shampoo, which is said to contain no soap, appears to consist of borax (2 parts) and a sulphonated oil (1 part).

L. G. (Chicago).—**BALL-ROOM FLOOR POLISH.**—The following is the formula usually employed for ball-room floor polish:—

Hard paraffin	...	...	1 lb.
Powdered boric acid	...	...	7 lb.
Oil of lavender	...	...	1 dr.
Oil of neroli	...	...	20 fl.

Melt the paraffin and mix with the boric acid previously warmed, then add the perfumes, mix well, and pass through a coarse sieve.

The difficulties you have experienced with preparations of this nature are probably due to wrong proportions of wax and talc or boric acid.

J. R. B. (17/9).—**IODINE LOCKET.**—The total iodine content of the locket is 8.6 per cent. The other ingredients appear to be plaster of Paris with some silicious material, such as kaolin.

C. M. T. (9/108).—**WINTER CREAM.**—There is a wide selection of recipes for skin creams in "Pharmaceutical Formulas," Vol. II, from which we select the following as meeting your requirements for a winter cream prepared with tragacanth:—

I			
Tragacanth, in powder	5ij.	Powdered tragacanth	5ix.
Oil of rose geranium	3fl. xv.	Glycerin	2vij.
Rectified spirit	3ss.	Rectified spirit	3v.
Glycerin	3iiij.	Tincture of benzoin	3j.
Water	3vj.	Oil of neroli	2ss.
Dissolve the oil of rose geranium in the rectified spirit and add to the tragacanth contained in a mortar; mix well, then add all at once the glycerin and water, previously mixed, and stir until uniform.		Oil of bergamot	3ss.
The following formula is given in this work under the title Winter Cream:—		Oil of rose geranium	3j.
		Oil of almond	3ij.
		Distilled water	348
		Rub the tragacanth with the alcohol, add the tincture of benzoin, then the glycerin and the oils, and lastly the water.	

II			
Camphorated oil	...	...	2ss.
Borax	...	...	2ij.
Glycerin	...	...	3vj.
Solution of potash	...	...	6 drops
Oil of bergamot	...	...	5 drops
Oil of neroli	...	...	2 drops
Water	...	...	3iv.

Dissolve the borax in 1 oz. or more of warm water and add the potash solution; with this mixture emulsify the mixed oils. Dilute the glycerin with the rest of the water and add gradually.

L. F. C. (1/108).—**WORMS ON GOLF GREENS.**—The methods adopted for destroying worms on golf courses, lawns and bowling greens are described in "Pharmaceutical Formulas," Vol. II. Mowra seed is used for killing worms in lawns either by sprinkling it on the grass at the rate of about 8 oz. per square yard and well watering in, or by macerating 4 oz. of the seed in a quart of water for twelve to twenty-four hours, and then applying the mixture to a square yard of the lawn. The seed in either case should be in the form of a fairly fine powder or meal.

Dispensing Notes & Difficulties

A Sodium Nitrite and Aspirin Mixture

SIR.—Will you kindly explain the reactions which take place in the following two days after being dispensed:—

Sodii nitritis	...	...	gr. ij.
Mist. ac. acet. sal. N.F.	...	ad	3ss.

Yours faithfully,
P. S. H. (4/7).

[Sodium nitrite in acid solutions decomposes. Acid acetylsalicyl. is not only an acid preparation, but itself gradually decomposes in water. The presence of potassium citrate in the mixture only delays the decomposition, it does not wholly prevent it. There is actually no way of dispensing this mixture except in separate bottles, as one cannot make an alkaline mixture of aspirin without changing it. The sodium salt of acid acetylsal. is formed with sodium acetate and sodium salicylate, and nitrous acid produced.]

A Difficult Mixture

SIR.—I have received the enclosed script, and should be glad to hear how you would dispense it.

Liq. arsen. hyd. B.P. '14	...	fl. iss.
Sodii bromidi	...	...
Luminal sodium	...	gr. x.
Syr. calc. lact.	...	gr. 3.
Aq.	...	gijss.

Yours,
F. P. D. (10/9).

[Luminal sodium is incompatible with acids. The acid of the liquor arsen. hyd. (1914) and the free acid. phosphoric. in syr. calc. lactophos. will throw out the base luminal. The mixture should be dispensed by mixing tragacanth mucilage with about 2 oz. of water, add the syrup and liquor arsen. hyd. and shake up together. Dissolve luminal sodium and sodium bromide in the remainder of the water, and add the solution to the mucilage mixture. Use 1 1/2 oz. of mucilage to the 10-oz. mixture. The mixture remains therapeutically active.]

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Reprinted from
"The Chemist and Druggist," November 24, 1884

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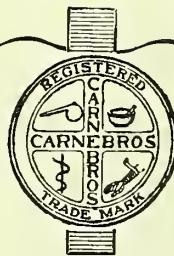
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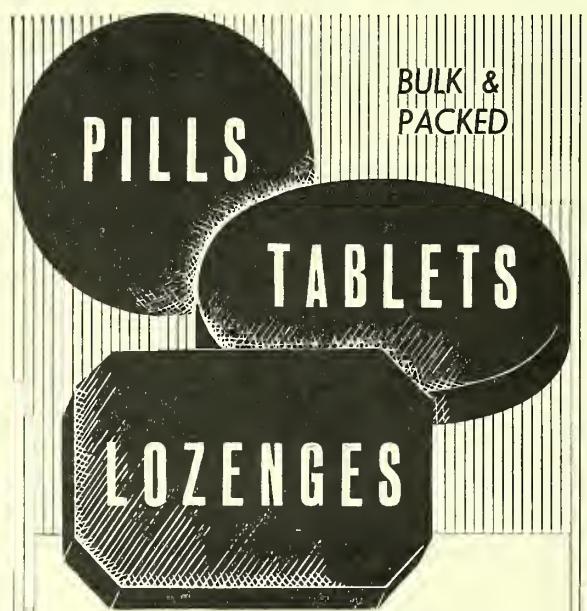
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product, the initials "MHS" are embossed on the inner surface of each cap-
sule, visible only when capsule is cut in half at seam as shown.

MARTIN H. SMITH COMPANY
NEW YORK, N.Y., U.S.A.



THOS. CHRISTY & CO., LTD., OLD SWAN LANE, LONDON, E.C.4

Agents for Great Britain and Ireland

BAYER PRODUCTS LTD.



introduce

Devegan
TRADE MARK BRAND
VAGINAL TABLETS

to the Medical Profession

'Devegan' Tablets, for local application in the treatment of Leucorrhœa, are being recommended to the Medical Profession by advertisements in all medical journals and by direct mailing campaigns. We invite Pharmacists to co-operate with us in ensuring adequate supplies.

'Devegan' is obtainable in tins of 15, 30 and 150 tablets.

**BAYER PRODUCTS
LIMITED,**
Africa House, Kingsway,
LONDON, W.C.2



SOUTH AFRICA

is an Important and Growing
Market for British Products

LENNONS,

the Old Established Chemists, cover
the whole of the Country. They have
Efficient Wholesale Facilities for In-
tensive Distribution and Distinctive
Retails in the Important Towns



Those who wish to exploit the Market
or increase their present business
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LENNON LIMITED,
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"Eagle" Brand Chemicals

B.P.
PRECIPITATED
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EPSOM SALTS
B.P. GLAUBER SALT
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Enquiries Invited

JOHN RILEY & SONS, LTD.

—Chemical Manufacturers

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Telegrams: "Rileys, Hapton."

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AN INNOVATION IN

RHINO - PHARYNGEAL
THERAPYANAQUINTINE
NASAL DROPS

Brand

Utilising Dr. Lescene's
Drop-Counting Instillator

ALDEHYDES, THYMOFORM, EUCALYPTOL, EPHEDRINE

Bottle of 22cc. complete with Instillator

Retail
3/6Wholesale
31/6 per doz.

Your co-operation in promptly obtaining supplies when required will be appreciated.

Telephone : Holb. 6011. Telegrams : Ampsalvas, London

THE ANGLO-FRENCH DRUG CO., LTD.

11-12 Guilford Street, London, W.C.1

Paraffinum
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GRADES
SAMPLES & PRICES
On application
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TECHNICAL
QUALITIESWHOLESALE ONLY
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Petroleum Jelly

"SALVO PETROLIA" BRAND

The Perfection of Petroleum Jelly

PACKED IN BARRELS, KEGS, OR
SMALLER PACKAGES IF DESIRED

Manufactured solely by

THE DEE OIL CO.
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Phone : Bootle 1897 Wires : "Cestrian, L'pool"LONDON OFFICE : 11 POULTRY, CHEAPSIDE, E.C.2
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PETROLEUM JELLIES, WHITE BASES, ETC.
WHITE OILS, B.P. & Technical qualities

Samples & Prices on Application

Oleum Deelinæ (Dee Oil)

the unfailing cure for Eczema

A BIG EVENT FOR CHEMISTS— BONUS ON 'ASPRO' 5's

'ASPRO' progress continues. Again during the past financial year all sales records have been broken. In no small measure this is due to the support and co-operation given to our publicity by chemists who have made continuous and practical use of our window displays and sales aids. Economic considerations have, in the past, prevented us from giving a bonus on 'ASPRO' 5's. Increased sales, however, have considerably reduced our overheads so we are now happily in a position to satisfy the repeated requests of our chemist friends for a bonus on the Unstamped 'ASPRO' 3d. size. We therefore announce that

**A BONUS OF HALF A DOZEN PACKETS OF
5's ON EACH HALF-GROSS ORDER IS NOW
GIVEN ON THE SAME TERMS AS OTHER SIZES.**

This makes the chemists' profit on 5's the same as on 10's. Order your 'ASPRO' now and take advantage of this valuable concession.

Write us for a window display, too, and show it continuously. It will connect you up with our record-breaking advertising campaign and bring customers into your shop just as though you had paid for the advertisements yourself.

HERE IS OUR CURRENT DISPLAY

**Show it
Continuously**

**Printed in
full colours**



Agents:

GOLLIN & CO. PTY. LTD.
('Aspro' Dept.), SLOUGH, Bucks.
Telephone: SLOUGH 608

ASPRO consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Made by **ASPRO LTD.**, Slough, ENGLAND
No proprietary right is claimed in the method of manufacture or the formula.

'ASPRO'
REG TRADE MARK



Its use does not lead to habit

COMPOSED OF EXTRACT OF THE INTESTINAL GLANDS, BILINARY EXTRACT,
AGAR-AGAR, AND LACTIC FERMENTS.

DISPLAY TAXOL on your Counter
FROM ALL WHOLESALERS

CONTINENTAL LABORATORIES, Ltd., 30 Marsham Street, London, S.W.1

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LIQUID PARAFFIN^{B.P.}
PURFINOL
FINEST QUALITY—

Highest viscosity, all Gravities.
Delivery made daily from stock
in various packing as required.
Supplied for all medicinal
purposes.
Guaranteed to comply
with the B.P. 1932.

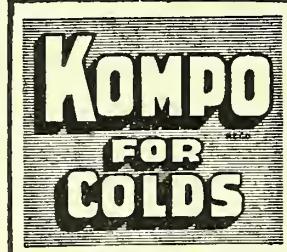
**IMMEDIATE
DELIVERIES**

PURFINOL

Brettenham House,
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Telephone: Temple Bar 1318-9

ESTABLISHED
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**Wholesale
Prices**

1/3 Size
11/6 per dozen net
3/- Size
27/6 per dozen net

Carriage Paid Gross Quantities
or equivalent.

Manufactured only by
J. F. WHITE & CO., Chemists
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ATOCIN tablets for Rheumatism, Lumbago, &c.

BISMOLAN suppositories and ointment.

CAVODOL Cod Liver Oil Compound tablets.

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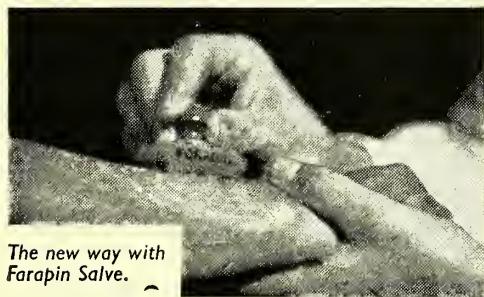
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New PROGRESS IN THE TREATMENT OF RHEUMATISM



The old way—
using the bee itself.



The new way with
Forapin Salve.

While bee venom therapy has already proved its efficiency in the treatment of rheumatism, Forapin, the new active bee venom salve represents a considerable advance in its technique.

Clinically tested with success in cases of Myalgia, Neuralgia, Arthritis and Sciatica. Forapin is painlessly administered. Inexpensive and easily applied. Packed in two strengths in graduated, collapsible tubes.

No.1.(Normal) 5/6 a tube. No.2.(Strong) 6/6 a tube.

Liberal discounts to the Trade.

Sale concessionaires for the U.K. and Dominions:

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Buyers of
BOX'S PILLS
often
bring in
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Most sufferers
who find amazing
relief through Box's
Pills gladly "tell the world" and Chemists
displaying the pills attract steadily in-
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Supplies obtainable from the usual
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STRIKING
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W. H. BOX
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MAKE BOX'S PILLS THE "FIND" OF YOUR DISTRICT!

MEAD'S
DEXTRI-
MALTOSSE
NOS. 1-2-3 and
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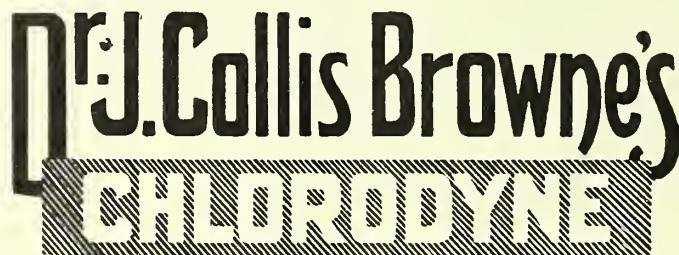
Extensively advertised to
the medical profession and
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qualified chemists . . .

Obtainable from all wholesalers or direct from the
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BROOKS & WARBURTON, LTD.
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**See that you hold Stocks
of this
Safe & reliable Family Remedy**

ESTABLISHED OVER 80 YEARS
AND STILL IN UNIVERSAL DEMAND



ORIGINAL AND ONLY GENUINE

**80 YEARS'
WORLD-WIDE
REPUTATION**

Please order from your Wholesaler with
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Sole Proprietors :
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**SOLD ONLY
THROUGH
CHEMISTS
SIZES 1/3, 3/-**

Pharmaceutical
CASTOR
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OIL

Tasteless
Water-White

Made in England by

**THE PREMIER OIL
EXTRACTING MILLS**
HULL

Telegrams : "Premier, Hull"

Telephone : 15191 (8 lines)

COLDS

A scientific, safe, quick and physiologically sound means for treating colds is provided in

TABS.
NOMOCO

Experience shows that some 90% of the cases treated respond to a dosage of 3 tablets, thrice daily, for 2 days.

Boxes of 20 - 3/6
Boxes of 60 - 10/-

HARWOODS CHEMISTS LTD.
RIGBY HOUSE,
WATFORD, HERTS

A name that protects YOUR name . . .

The name MARSHALL'S is a guarantee to you and your customer that the Lysol you sell is a consistent product of the highest quality.

MARSHALL'S Lysol is tested at every one of the six stages of manufacture—every ingredient is especially made to meet a rigid specification. Uniformity of composition, germicidal action and absence of alkalinity are guaranteed in every bottle.

Your name and your customer are protected when you sell MARSHALL'S, and MARSHALL'S puts a bigger profit in your till.

Effective advertising for Marshall's Lysol is now appearing in a complete list of publications circulating among the medical, dental and nursing professions, as well as in the leading hospital journals.



MARSHALL'S LYSOL



Everybody's NEED

If there is one thing that is of interest to everybody at this season it is a specific for colds in the head and nasal catarrh.

Your window cannot be more profitably employed than for a display of Mistol. Mistol is consistently recommended by doctors and it is further popularized by national advertising. Special bonus terms for window display.

(1 doz. 1/3 size Mistol are charged as 11 only, carriage paid. 1 doz. 2/6 size charged as 11 only, carriage paid)

STEMCO LTD

128 Albert St., Camden Town
N.W.1

"CLARKES"

Brand

World-famed Blood-purifying Medicine

"BLOOD MIXTURE"

Registered Trade Mark

Brand

UNSTAMPED, FOR SALE BY CHEMISTS ONLY

P.A.T.A. PRICES

"CLARKES" Brand BLOOD MIXTURE
(Liquid and Tablets)

Retail 3/-. 3 doz. lots £4 - 4 - 0 less 3 3/4% one month
12 " " £16-16-0 " 8 3/4% " "
CARRIAGE PAID PACKING FREE

ASSORTED ORDERS

"CLARKES" Brand	Retail	Per doz.
"BLOOD MIXTURE" (Liquid and Tablets)	3/-	28/-
"BLOOD MIXTURE" (Liquid only)	12/-	112/-
SKIN LOTION ...	1/3	11/8
SALVE	1/3	11/8
" " "	3/-	28/-
" " "	5/-	46/8
APERIENT PILLS ...	1/3	11/8
" " "	3/-	28/-
MEDICATED SOAP		Doz. tablets
Box 3 tablets ...	2/6	7/10
Single tablets ...	1/-	

Orders may be assorted as desired at above rates provided they reach minimum values, as follows :—

£4 - 4 - 0 less 3 3/4% one month
£16 - 16 - 0 " 8 3/4% " "
CARRIAGE PAID PACKING FREE

ORDERS may be sent direct or through the usual wholesale houses.

The Lincoln & Midland Counties Drug
COMPANY, LIMITED

PARK STREET, LINCOLN

Telegrams: "Lindum, Lincoln." Telephone: Lincoln 55



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London Office: Plantain Place, Crosby Row, Borough, S.E.1. — HOP 2668
TEL. ADD. : JACKSON, CREDITON TEL. NO. : CREDITON 10.

TRADE MARK

REGISTERED

FOR

COUGHS.

Overbridge's

Lung Tonic

FOR

COLDS

The Original "Lung Tonic"

and the favourite family
remedy for Coughs and Colds.

A BEST SELLER ALL THE YEAR
PRICE PROTECTED AT FACE VALUE

W. T. OWBRIDGE, LTD., The Laboratory, HULL.

Technical White & Half-White Oils

Pharmaceutical Petroleum Jellies

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MEDICINAL LIQUID PARAFFIN B.P.

Tel.: ALBERT DOCK 3131 (6 lines)

SILVERTOWN LUBRICANTS LIMITED.
MINOCO WHARF
WEST SILVERTOWN, LONDON, E.16.

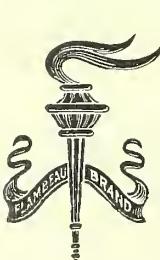
Grams: VOLUMETRIC VICDOCK

'CUTTERS' (REGISTERED)
THE ORIGINAL AND ONLY 'CUTTERS'
HEAD & NERVE POWDER

FROM YOUR WHOLESALER, OR SEND DIRECT TO PERRY'S POWDERS, LTD., LEEDS

HALMAGON

BRAND World-wide Registered Trade Mark TABLETS



JONES for
METHYLATED SPIRIT

ALL STRENGTHS IN STOCK
PROMPT DELIVERIES IN CASKS,
DRUMS OR TANK LORRY

Send your enquiries to

JONES & CO. (METHYLATORS) Ltd., Bow, London, E.3

Telegrams: "Methspirit, London."

Telephone: Advance 3210 (2 lines)

5% BONUS OFFER

BESORBON

(DR. HILLS FORMULA)

MEDICINAL SNUFF

ON ALL ORDERS PLACED BEFORE DECEMBER 14, 1934

TRADE TERMS :

1 dozen and under 3 dozen	- -	11/3	per dozen, less 5%
3 do.	12 do.	- - 11/-	do. less 5%
12 dozen and over	- - -	10/9	do. less 5%

Cash Discount—2½% for payment in 7 days.
(These terms do not apply to the Irish Free State)

Despite no Epidemic last winter BESORBON sales very considerably increased. For over 30 years BESORBON has been the proved remedy for
COLDS, CATARRH, FLU, HAY FEVER, etc.

Always order BESORBON by the DOZEN so as to secure the COUNTER DISPLAY CONTAINER.

KEMSALES LIMITED :: :: :: 20 Eastcheap, London, E.C.3

Telephone No. : Mansion House, 4101

POST THIS ORDER FORM NOW.

BONUS OFFER ORDER FORM
(Valid only until December 14, 1934)

To KEMSALES LIMITED, 20 Eastcheap, London, E.C.3

Please send dozen BESORBON MEDICINAL SNUFF at per dozen, LESS 5% SPECIAL BONUS OFFER. Remittance enclosed for £ : : .
(2½% discount is allowed for Cash with Order)

If goods to be invoiced through wholesaler give name and address here.

(Signed)

Wholesalers' name

Address

Address

Antiphlogistine

Brand Dressing

HUMAN & VETERINARY
MADE IN ENGLAND

Write for Special Quantity Terms

The Denver Chemical Mfg. Co., London, E.3



REGISTERED FOR OUR
WELL-KNOWN BRANDS
OF CERESINE WAXES

CERESINE WAX

WHITE BLEACHED CARNAUBA WAX VARIOUS GRADES
BEESWAX WHITE, YELLOW AND RESIDUE
AND COMPOSITION PARAFFIN WAX ALL MELTING
OZOKERITE WAX ALL POINTS
GRADES

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SEVENTEENTH YEAR OF PUBLICATION

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EDME Malt Products have been on the market for upwards of sixty years, and in our up-to-the-minute Works at Mistley in Essex we have probably one of the world's largest plants devoted solely to the manufacture of high-grade Malt Products. In the past few years our reputation among Wholesale and Retail Chemists for "own-brand" Malt and Oil Products has grown faster than our resources to handle the enquiries—although our works organisation for handling actual orders is essentially prompt and efficient. We have already remedied most of our sales inefficiency, but we want still a few really good men to make contact with the customers.

Write to Sales Manager,

EDME LTD. 122/4 REGENT STREET
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Gentlemen of high repute and with sound connections among first-class chemists are invited to apply in strictest confidence, giving full details of lines carried and territory covered, with a view to representing us. To cope with our rapidly increasing business we are reorganising our sales force in various parts of Britain. Remuneration would be on a generous commission basis.



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ATKINSON & BARKER'S INFANTS' PRESERVATIVE

The Best and Safest Infants' Medicine of
140 years' standing.

Does not contain any Scheduled Poison.

ROBERT BARKER & SON, LTD.,
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A. MILLAR & CO. LTD., DUBLIN

(Wholesale only)

Samples from Head Office, Thomas Street, DUBLIN, or
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CALDER YEAST TABLETS

50 Tablets 7d.

Discounts: Retail 33 1/3%, Wholesale 16 2/3%.

100 Tablets 1s. Od.

Carriage paid on all Orders.

YEAST IMPROVES THE COMPLEXION

Can now be obtained in Cartons of 1 & 2 doz. bottles, containing 50 tablets, and Cartons containing 1 doz. bottles of 100 tablets. Supplies of Calder Yeast Tablets may be obtained through Wholesalers and—from The United Yeast Company Ltd., London, Birmingham, Bristol, Leeds, Manchester & Newcastle.

Calders' Yeast Co. Ltd., INVERKIP STREET, Glasgow, C.5.

A "SURE SHIELD" PRODUCT—

**GLYCERINE
OF
THYMOL
PASTILLES**

$8\frac{1}{2}$ D. and **$1/3$ Tins**

THE STANDARD SALINE PASTILLE
FOR THE MOUTH AND GUMS

OF RECOGNISED MERIT AND
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STOCKED BY ALL WHOLESALE HOUSES

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Carruthers Street,
ANCOATS, MANCHESTER, 4

**A White, Stainless Iodine
Preparation**



From
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Many experiments and trials have produced a Cream with remarkable powers of penetration, giving instant relief in a wide range of complaints. May be safely recommended for the most sensitive skins in spite of its high iodine content.

Iodo BRAND *Cream*

Made by
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No proprietary rights claimed in the preparation of this Cream.

**DOLS'
VOLATALISE
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THE WONDERFUL REMEDY
for RHEUMATISM, NEURITIS,
SCIATICA, LUMBAGO, etc.

Now is the time to look to your
stock. Send for price list to
DOLS' VOLATALISE FLANNEL Ltd.
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PHOSPHATE OF SODA, Pure

For Food Purposes
ASK FOR SAMPLE AND PRICES

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DECORATED TINS
FOR PACKING
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SAMPLES AND PRICES UPON REQUEST.

THE CALDICOT TIN STAMPING WORKS LTD.
Caldicot, Nr. CHEPSTOW, Mon.

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The world renowned NATURAL Mineral Water.
(And the other State Springs of Vichy)

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November 24, 1934

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Poison
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Sauce &
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New moulds made to
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DRY BOTTLES**

Albert Glass Works, Hunslet, Leeds

"Adaptocaps"

*will give
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Distinction*

These Dry Bottle Caps are made in all sizes and colours, clear and opaque. They are Self Sealing, of unrivalled quality and BRITISH MANUFACTURE. Special low rates for large contracts. Let us quote you.

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IT IS JUST AS
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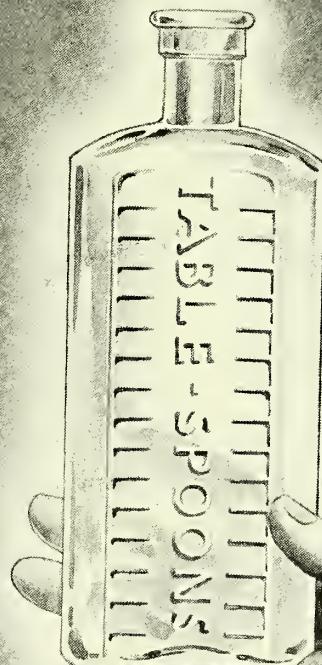
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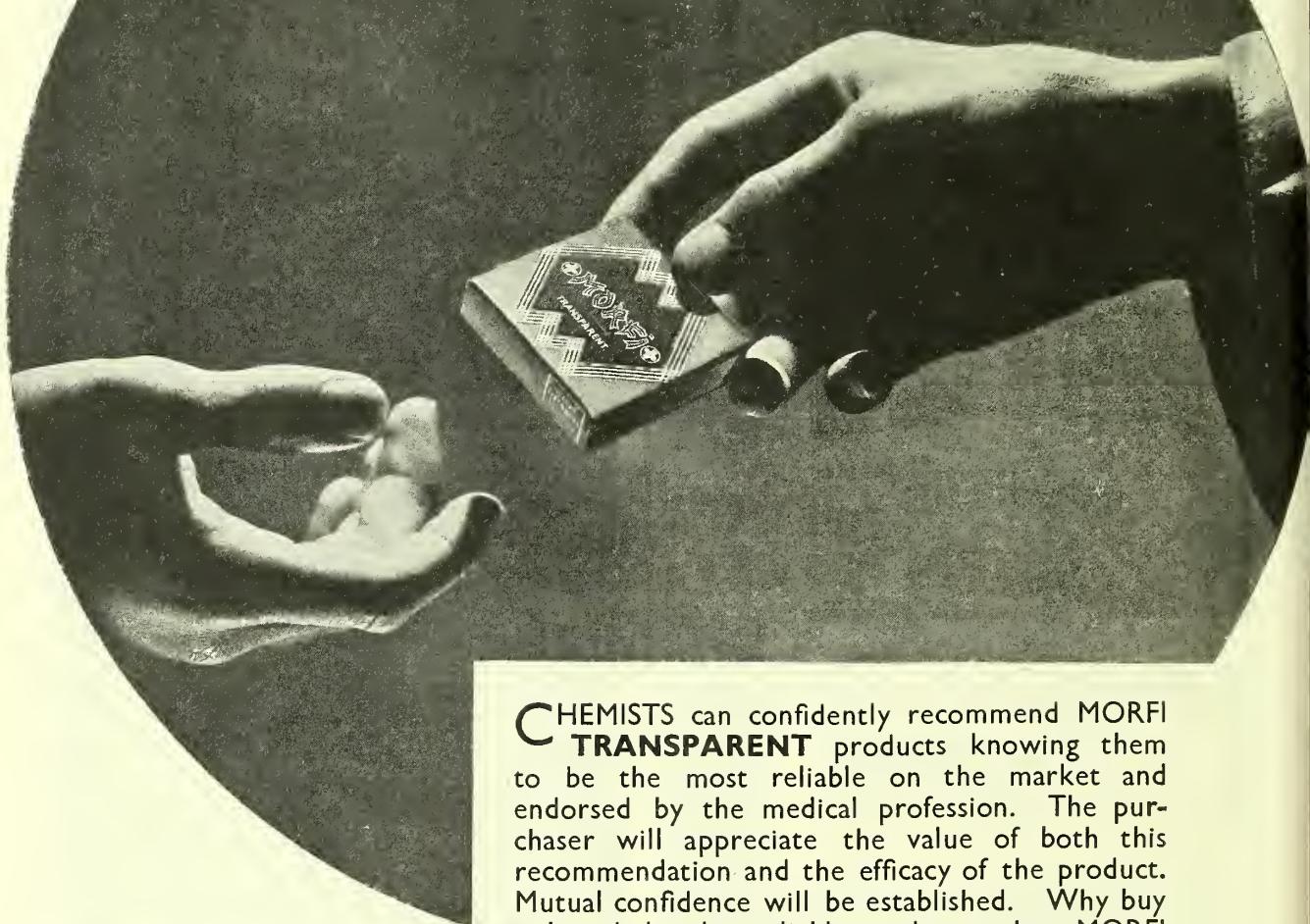
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Perseverance Glass Wks.
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A NEW PERFUME
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— A COOL SWEET
FRAGRANCE LIKE
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like a cloak of cool fragrant comfort

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THE HEAVY CHARGE
ENGLISH LAVENDER
FROM CHEMISTS AND DRUGGISTS
OR ANY DUBLINERS POST
DUBLARRY, TRAFALGAR, 88 BROMPTON RD., LONDON, S.W.3

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We reproduce here a few of our whole page advertisements in full colour, current and to appear, in "VOGUE," "BRITANNIA & EVE," "EVERYWOMAN'S," "DRESS & BEAUTY," etc. **In your own interests** we strongly urge you to link up with this very attractive, artistic Xmas advertising by making Dubarry products

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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

NOVEMBER 24,
1934.

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for **DISPOSAL, PREMISES TO LET** and **FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS for SALE and AGENCIES**—6/- for 50 words; every additional 10 words or less, 6d. (Box No. 1/- extra.)

SITUATIONS OPEN—6/- for 40 words; every additional 10 words or less, 6d. (Box No. 1/- extra.)

SITUATIONS WANTED—2/- for 18 words; every additional 10 words or less, 6d. (Box No. 1/- extra.)

LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines = 1 inch single column). (Box No. 1/- extra.)

MISCELLANEOUS (Wholesalers') Section for odd and second-hand lots—10/- for 60 words; 1/- for every additional 10 words or less. (Box No. 1/- extra.)

EXCHANGE COLUMN (for Retailers, etc.)—Twopence per word, minimum 2/-. (Box No. 1/- extra.)

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2

Telephone: Central 6565 (8 lines).

Telegrams: "Chemicus, Strand, London."

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not later than

FIRST POST THURSDAY MORNING

All advertisements intended for insertion in this Supplement

ORRIDGE & CO.

56 LUDGATE HILL, E.C.4

ESTABLISHED 1846

Telephone Nos.: CITY 2283 & 7477

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—REGENT STREET (NEAR).—General Retail Business, with about 3,000 private scripts per annum; returns exceed £2,000; gross profit 40 per cent.; stock and fixtures worth about £900; lease has 14 years unexpired at reasonable rental; price £1,275.

2.—LONDON, S.E. (MAIN ROAD).—Middle-class Business, with good Panel; much neglected; returns last year £1,115, with gross profit £466; whole of rent let off; price £500, which represents the value of stock and fixtures only.

3.—LONDON, N.W.—Old-established Business for disposal owing to retirement of vendor; returns last year exceeded £2,100; double-fronted shop, with good house; price to be agreed.

4.—CROYDON.—General Retail and Dispensing Business in main road; returns average £1,200 per annum; N.H.I. about 400 monthly; net profit £300 per annum; stock and fixtures worth £550; rent £80; house at present sublet at 22s. 6d. per week; price £800 or nearest offer.

5.—BLACKFRIARS (NEAR).—Old-established City Pharmacy for immediate disposal; excellent position; returns exceed £2,000 per annum, with scope for increase; held on long lease; stock and fixtures worth about £650; first reasonable offer will be accepted.

6.—LEWISHAM.—Old-established Drug Store, situate in busy shopping centre; returns about £16 weekly, with scope for increase; net rent about £34 per annum; 12 years' lease; price all-at £320; stock and fixtures worth about £300.

7.—ESSEX.—General Retail Business, with steadily increasing turnover; present rate about £27 weekly; corner shop, well fitted and stocked; flat over; rent £100; 18 years' lease; stock recently valued at £430; price £850.

8.—RAYNES PARK.—Good-class Dispensing and General Retail Business, with Kodak Agency; returns about £1,600 per annum, increasing; modern flat over shop; held on lease; price about £900, or valuation terms entertained.

9.—NORTH LONDON.—Drug and Photographic Store offering scope for increase in the hands of a qualified man; established 1890; returns last year £820; double-fronted shop, with living accommodation; property may be purchased for £800, or vendor will grant a lease; first reasonable offer will be accepted for the business.

10.—STREATHAM.—Good Middle-class Business, with Prescribing and small N.H.I.; returns about £30 weekly; accountant's figures; five-roomed house; 13 years' lease; rent £175; price all-at £850; stock and fixtures worth about £675.

11.—WORCESTERSHIRE.—Dispensing Business, with full Licence; established over a century; returns last year exceeded £2,100; net profit about £450; exceptional house, with half-acre garden containing hard tennis court and swimming pool; net rent £42 per annum held on lease; price £1,600.

12.—EASTERN COUNTIES.—High-class Business, with Wine and Spirit Licence; established 40 years; returns for year ended March, 1934, exceeded £6,300, with gross profit approaching £2,000; good house attached; long lease; purchasers with £4,500 at command will be furnished with full particulars on receipt of a banker's reference.

13.—MARLOW (NEAR).—General Retail Business, with Kodak Agency; increasing turnover; present rate about £20 a week at good prices; mahogany fittings; house contains three bedrooms, bathroom, dining-room and kitchen; garden; rent £80; 20 years' lease; price £750, or valuation terms entertained.

14.—WEST OF ENGLAND.—Business and Branch for disposal; combined turnover exceeds £3,500 per annum, with gross profit £1,200; stock and fixtures worth about £1,600; price £2,000.

15.—EAST COAST.—Good-class Business, occupying premier position; established 1895; returns last year £1,960; double-fronted shop; stock worth about £550, fixtures £270; house contains six bedrooms; rent £100; price about £1,250, or valuation terms entertained.

16.—CORNWALL.—Good Middle-class Business, with small Optical connection; returns exceed £2,350; Optics, £285; net profit £550; rent £130; sublet £52; 18 years' lease; price £1,850.

17.—WOLVERHAMPTON.—Neglected Business for sale; present returns about £1,000 per annum; rent £40, or premises may be purchased; living accommodation; terms; stock and fixtures at valuation.

18.—CHESHIRE.—General Retail Business, at present conducted as a Drug Store; returns 1934, £768, plus Optical £80-£100 per annum; rent £20 per annum; price £350; at present conducted by unqualified lady manageress.

19.—NORFOLK (SMALL MARKET TOWN).—General Retail Business, with Optical connection; returns £23 weekly, with scope for large increase under personal supervision; attractive shop, with small living accommodation over; rent £62; held on lease; price £750.

20.—BIRMINGHAM.—Middle-class Suburban Business, with Kodak Agency; returns exceed £2,000 per annum, with gross profit 35 per cent.; property may be purchased or a lease will be granted; valuation terms entertained; further details to genuine buyers.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants.

Ernest J. George & Co.

Bank Chambers, 329 High Holborn, London, W.C.1
Telephone Nos.: Holborn 1167 & 1278 (2 lines)

Correspondence, mutually confidential, is invited from prospective purchasers of the following businesses at present available for disposal

(Cr) LONDON, S.W.—Old-established main road business with exceptionally good scope for substantial increase; turnover up to 1933 averaged between £1,800 and £2,200 per annum, but following neglect owing to illness, the returns have fallen somewhat during the past 12 months; abundant opportunities for N.H.I. dispensing, which is not at present undertaken; rent £91 per annum, including large self-contained house; lease 21 years; in present hands 26 years; price £850, or offer; valuation terms if preferred.

(C2) £300/£500 will purchase an interest in a steadily progressing business in North Surrey, with a view to ultimate succession; present returns approximately £30 per week; good modern flat on premises; full particulars upon application.

(C3) SOUTH COAST.—Established main-road business, situated in popular seaside resort; turnover about £20 per week, and capable of considerable increase; living accommodation; moderate rental and purchase price.

(C4) BOURNEMOUTH.—Elegantly fitted and very attractive main-road business, with definite scope for increase; good living accommodation; present turnover approximately £1,150 per annum; price £900 all-at, representing less than the value of stock and fixtures; early inquiry advised.

(C5) SUFFOLK.—Unopposed business, with living accommodation; situated near to popular seaside resort; average turnover approximately £1,150 per annum; net profit about £350; reasonable rental and purchase price.

(C6) ROMFORD (NEAR).—Attractive double-fronted main-road business, with living accommodation; net profit £550-£600 per annum; rent £60; excellent scope; price £1,625 or offer.

(C7) NORFOLK.—Old-established retail business situated in congenial market town; turnover approximately £2,000 per annum; rent £80, including good living accommodation; price about £1,150; special circumstances necessitate an immediate sale, and the offer is an exceptional one.

(C8) STAFFS.—Progressive lock-up pharmacy with excellent prospects under personal proprietorship; turnover for 1933-34 financial year, £1,276; should be well capable of an early £40 per week; rent £45 per annum; no near opposition; price £600 all-at.

(C9) LONDON, S.W.—Attractive modern pharmacy, unopposed, with small flat above, situated in high-class residential area; turnover for 1933-34 financial year, £2,228, and steadily increasing; excellent dispensing connection; price about £1,500, including stock and fixtures £1,000.

(Cr) WOOD GREEN (NEAR).—Old-established good-class retail business, situated in prominent shopping thoroughfare; present returns

approximately £1,900 per annum, with excellent scope for substantial increase; rent £120, including good living accommodation; owner retiring; price about £1,500, but near offers will be considered; well recommended.

(C12) ESSEX (SEASIDE RESORT).—Attractive main road corner pharmacy (lock-up) with excellent potentialities; present returns upwards of £1,500 per annum; particularly good scope for optics; reasonable rent; price £650 all-at, representing a most attractive offer, due to the fact that an early sale is desired.

(C13) UXBRIDGE (NEAR).—Exceptional opportunity to purchase good suburban business, with particularly attractive future prospects; present returns approximately £1,000 per annum; the neighbourhood is bound to extend considerably in the near future, and there is no opposition; good living accommodation; first reasonable offer accepted for a quick sale.

(C13) KENT.—Village business, entirely unopposed, admirably suited to chemist desirous of leading a quiet existence; up-to-date house, with excellent garden, including orchard, lawn, etc., and garage; business and freehold can be purchased for a reasonable figure, and a substantial mortgage arranged if desired; present net profit approximately £300 per annum; confidential details upon application.

(C14) CHESHIRE.—Good-class business with no immediate opposition; turnover approximately £1,300 per annum; net profit about £325; excellent living accommodation with all modern conveniences; rent £70; price £700.

(C15) MORDEN (NEAR).—Up-to-date pharmacy, with good flat above, situated in growing middle-class suburban district; present returns approximately £1,800 per annum; net profit about £400; price £1,100 or near offer.

(C16) SYDENHAM (NEAR).—Old-established business, with excellent and genuine scope for increase; turnover, without personal interest or attention, for last financial year, £1,225; rent £70, less sublet £52; living accommodation available if required; price £650, part of which could remain; excellent opportunity.

(C17) MANCHESTER (NEAR).—Established middle-working-class business, with small house above; large N.H.I.; net profit for last financial year, £408; rent and rates £37; price, £800.

(C18) LONDON, N.—Attractive main road corner pharmacy, with sub-post office, and good living accommodation; present returns approximately £20 per week, exclusive of P.O. salary; no near opposition; and abundant scope for extensive development; price £600 or near offer; early sale desired, owing to ill-health.

VALUATIONS FOR ALL PURPOSES AT ECONOMICAL RATES.

BERDOE & FISH

CHEMISTS' VALUERS AND TRANSFER AGENTS,

41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

1.—SOUTH COAST.—High-class Dispensing Business in splendid position; turnover £3,300; good profits; attractive Pharmacy, fully stocked; price £2,750; further details on receipt of hanker's reference.

2.—SUSSEX.—Nice-class Dispensing Business, in prominent and improving position; non-season trade; returns over £2,000; good profits; attractive pharmacy; fully stocked; price £1,650 or offer.

3.—HOME COUNTY (35 miles out).—Good middle-class Business in popular residential seaside resort; returns over £2,600; scope for increase; splendid position; stock worth over £1,000; price £1,600.

4.—SURREY (few miles out).—Genuine Light Retail Business; no N.H.I.; returns over £1,100; good profits; low rent; no near opposition; owner retiring; price £400, plus stock at valuation, in all about £650.

5.—CHESHIRE.—Country Drug Stores; mixed trade, with some Optics; returns £730, plus about £100 Optics; low rent; lock-up shop; stock worth £200; owner retiring; price all at £300.

6.—KENT (14 miles out).—Unopposed Village Business; pleasantly situated; returns £1,150, net profit £290; stock and fixtures worth approximately £600; price £750.

7.—LONDON, S.W.—Exceptional opportunity; £975 secures sound, well-established business in busy main road; returns last year over £2,250, scope for increase; good house; fully stocked; personally recommended.

8.—ST. PANCRAS (near).—Light Cash Retail with N.H.I. and Photo, in thickly populated district; returns under manager over £1,100; scope for increase; smart double-fronted shop, well stocked; low rent; price for early sale £600.

9.—WIMBLEDON.—Well-established Light Cash Retail; no immediate opposition; returns £950, net profit £248; attractive shop with house attached; low rent; price £675 or £150 plus valuation; recommended.

10.—HAMPSTEAD.—Exceptional reasons necessitate sale of newly-established business, in prominent position, offering plenty of scope; present returns £19 weekly; long lease, moderate rent; house attached; price only £200 plus stock at valuation, in all about £325.

Lowest Terms for Stocktaking

Estab. 1870.

Telephone: Terminus 3574.

S. F. CLARK, F.N.A.A. 'Phone: Prospect 3366
CHEMISTS' VALUER & TRANSFER AGENT

34 Marksbury Avenue, Richmond, Surrey

Has for exclusive disposal several businesses, and courteously invites correspondence from bona-fide purchasers, who should state exact requirements.

"A personal interest taken in all clients."

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PARKIN S. BOOTH, Valuer. Tels.: CITY 3691 (4 lines).

VALUATIONS, SALES OF BUSINESSES. STOCKTAKINGS.

Enquiries Invited.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS & TRANSFER SPECIALISTS

46 VICTORIA STREET, MANCHESTER 3

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C. & D. Stock-Taking Sheets

Halve the Labour of Taking Stock.

Price of Complete Pad, 2/6 post free.

The Chemist & Druggist, 28 Essex St., London, W.C.2

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra)

BIRMINGHAM.—Retail Business in growing suburb, near projected picture house; stock and fixtures £300 or near offer; property, optional, comprises modern double-fronted shop, with excellent living accommodation. 226/15, Office of this Paper.

LAKE DISTRICT.—Recently-established Pharmacy, at present lock-up, but living accommodation if required; Kodak Agency; scope for N.H.I.; returns since December, 1933, about £1,000; rent £55 per annum; lease 5 years, renewable; stock and fixtures at valuation, about £400; no goodwill. Apply Black, M.P.S., Cragg Brow, Bowness-on-Windermere.

LEICESTER.—Good Cash Retail, with splendid Home-Ciné and Photographic Business; Kodak and all principal agencies; good position in very busy street, with no opposition; good living accommodation, with lease to suit tenant; taking average last 5 years over £1,200, accountants' figures, and increasing; every investigation welcomed; all at £750 or nearest. 226/23, Office of this Paper.

LONDON, E., near Station.—Business for Sale, established 20 years; rent £52 per annum; under management; returns £16 to £20 per week, plus N.H.I.; profits 40 per cent.; modern fitted shop and Dispensary; very convenient; price, stock and fittings at valuation, about £450; goodwill £125, part can remain; owner retiring; no living accommodation. 225/301, Office of this Paper.

LONDON, W.1.—Old-established High-class Dispensing and Retail Business, with Kodak and other Agencies; near clubs and hotels; turnover £2,000; well stocked; reasonable rental; long lease; further particulars to prospective buyers. 227/9, Office of this Paper.

SOUTH WALES.—HAS NO OPPOSITION.—A Drug, Radio and Photographic Business; established 10 years; although actually situated in a high-class garden suburb, it embraces another select district; offers unique opportunities to enterprising Qualified Man willing to increase stock; this applies particularly to the Radio Section; owner offers Fixtures and Fittings, Avery Automatic Personal Weighing Machine, also Indoor Scales, and a Crossley Battery Charging Plant (which supplies lighting for premises), complete with accessories, for £120; stock (medium) at valuation; rent £1 weekly; owner's sole reason for selling: lack of capital. 226/34, Office of this Paper.

AT LAST.—A Genuine Bargain and Wonderful Opportunity; A Herbalist Shop; main road, London; living accommodation; old established; long lease; takings £30-£35 per week; audited accounts; profits £12 per week nett; owner retiring; price £1,000 or near offer. 227/18, Office of this Paper.

LIGHT Retail and Dispensing; Photo and N.H.I.; Dorset border; returns last 5 full years average £1,850; rent £120, rates £39; lease over 15 years to run; established 60 years; fixtures and goodwill £1,050; stock at valuation; extras £40; large house and garden. Chemist, 10 Station Road, Parkstone.

NET PROFIT £550 PER ANNUM.—Chemist's in main road, 8 miles out; very attractive shop, 7 rooms, bathroom; lease 11 years at £120 per annum; trade £47 per week; audited accounts; a live business offered at £1,175; s.a.v., about £850. Sole Agents, Lindell's, Ltd., 14 Hanover Square, W.1.

OLD-ESTABLISHED Dispensing and Family Business for Sale in Eastern Counties; rent £60; neglected; turnover average £20 per week; good, clean stock; s.g.w. lease, &c., valued at £1,000; reasonable offer entertained; would consider partnership or terms. Apply 226/2, Office of this Paper.

SPLENDID opportunity for Young Qualified Man with limited capital; £120; stock optional at valuation; low rent; main road; fittings alone worth double; only wants seeing; real chance for live man. Write 227/12, Office of this Paper.

BUSINESSES WANTED.

BERDOE & FISH require immediately one or two sound Businesses, in Southern Counties preferably, for private clients waiting with cash available up to £3,000; quick sales without any publicity. Apply in strict confidence to 41 Argyle Square, King's Cross, W.C.1.

GOOD-CLASS Country Business required in the Midlands district; turnover £2,000-£3,000. Send details to Messrs. Evans Sons Lescher & Wehn, Ltd., 56 Hanover Street, Liverpool.

PREMISES TO LET.

ST. ALBANS.—Double-fronted Lock-up Shop, with large Basement, to Let; one of row of eight; excellent shopping position, close to G.P.O.; rent £140 per annum (near offer considered); good opportunity for Chemist. Apply Harding & Son, 32 St. Peter's Street, St. Albans. (Tel.: St. Albans 14.)

A different agency

Are there to be found in England ten men, now holding agencies for well known Chemists' lines, and having long standing connections, who would appreciate the opportunity of accepting an Agency on a straight 15% commission for a line of goods which would reasonably produce £3 to £4 weekly as a minimum?

This is a statement of fact, not of theory, and applications from any such men (stating area, connections, years on ground etc.) will be welcomed, and treated confidentially. Write in first instance to:

“UNIQUE” c/o W. H. Emmett & Co. Ltd.
Advertising Agents, 30 Bouverie St., London, E.C.4

AT A VERY LOW RENT.

DAVENTRY, NORTHANTS.—Lock-Up Shop in main street; good store accommodation; specially suitable for a Chemist. Full particulars from J. C. J. Legge, F.A.I., 7 Wood Street, Northampton. Telephone: Northampton 50 (2 lines).

DOUBLE-FRONTED Shop and Upper Part of 10 Rooms to Let; good opening for Qualified Chemist or Drug Store; main-road position among multiple firms, with no immediate opposition; cheap rent; owner would accept £25 for lease. Apply Lawrence, 238 Old Kent Road, S.E.1. Rodney 4305.

PARFUMERIES DE PARIS, LTD. (in voluntary liquidation) offer the lease of modern premises of over 10,000 sq. ft. until Christmas, 1936, at a rental of £700 per annum and charges; fitted for Toilet business and with all up-to-date conveniences. Larden Road, Acton, W.3. Tel.: Shepherds Bush 2343.

TO LET on Lease, three Shops, remainder of terrace of eight on main London road in good shopping district; openings for Chemist, grocer, boot and drapery, greengrocer, &c. Apply H. H. & F. Roll, Ltd., 7 Asbury Road, Epsom.

£175 TO £200 P.A.—Modern Shop and Maisonette, facing Met. Railway Station; only position of Estate zoned for shops, at Moor Park, Herts; opening for high-class trader. Apply, Estate Office, Moor Park, or Hillier, Parker, May & Rowden, 27 Maddox Street, W.1. Tel.: Mayfair 7666.

AGENCIES.

TO MANUFACTURERS.—Progressive Manufacturing Firm in South Wales, with ample accommodation and sound connection amongst Chemists and Doctors throughout Wales and West of England, wishes to negotiate with reputable firm requiring Storage, Depot or possible Amalgamation. 226/55, Office of this Paper.

COUGH MIXTURE.—Steady sale in area covered by “Liverpool Echo and Express”; additional Chemists' Agents wanted; free local advertising and mail orders from local people diverted; write p.c. for particulars and ask our representative to call. McGuffies (John Milling, M.P.S.), Chemists, Liverpool, 2.

PARTNERSHIPS.

A DVERTISER wishes to meet present Business Manager wanting to start profitable line of business on own account; business proposed must offer scope for development and bear full investigation; if satisfactory, partnership offered and finance provided; applications strictly confidential. Write 209/1, Office of this Paper.

SALES BY AUCTION.

Removed from Hendon for Convenience of Sale.
5 LITTLE BRITAIN (close to G.P.O.), LONDON, E.C.1.
 SHOP EQUIPMENT AND SHOWCASES, Drug Runs, Counters, Mirrors, Silent Salesmen, Tills, Stands, Office Furniture, Safes, Typewriters, &c., will be sold by Auction by
B. NORMAN & SON
 at their Sale Rooms on WEDNESDAY, DECEMBER 5, at Twelve Noon.
 View Day Prior. Catalogues on Application.
 Tel.: NAT. 6463.

SALE BY TENDER

To Manufacturing Chemists and Confectioners.
FOR SALE BY TENDER.

COMPLETE Equipment of a Manufacturer of Chemists' Confectionery, including Power and Hand Machinery, Gas Stoves, Electric Motors, Shafting, Boiling Pans, Hot Plates, Benches, Refiner, Sugar Mill, Moulds and a number of valuable Tested Formulae, Stock of Raw and Manufactured Goods, Drugs, Wrapping and Packing Materials. Full particulars and Conditions of Tender from S. Clapp & Sons, Ltd., Estate Agents, High Road, Woodford Green, Essex.

APPRENTICES.

BOY (14), just leaving school, requires employment at Chemist's as learner or Apprentice, where prospects good. S. C., 115 Reynolds Avenue, Chadwell Heath, Essex.

YOUTH, passed prelim., required; salary 11s., 15s., 20s.; working-class district; time given for classes and thorough training. S.E. London. 228/4, Office of this Paper.

SITUATIONS OPEN.

RETAIL (HOME).

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

LONDON, E.—Assistant (either sex) for mornings and evenings, or evenings only; general routine and a little Dispensing; state terms (moderate) and usual particulars; letters not answered in 6 days regrettably declined. 226/8, Office of this Paper.

LONDON, E.—Manager for Modern single-hand shop and Dispensary; good opportunity for live man; wages £3 10s. plus 25 per cent. net profit (relief arranged). Send copy testimonial and full particulars to 225/3, Office of this Paper.

LONDON, W.—Qualified Gentleman (25-35); accustomed to good-class London business; salary £5; no stamped envelopes or returnable matter. 227/8, Office of this Paper.

MARBLE ARCH.—Qualified Manager required, single-handed, with occasional relief; energetic; good Window-dresser, with good business-building ability. Please give fullest particular, including age, experience and salary required, 226/45, Office of this Paper.

WEMBLEY.—Part-time Qualified; experienced Counter and Dispensing; each Wednesday and alternate Sunday 6 till 8 p.m.; state full particulars and salary. 226/33, Office of this Paper.

A YOUNG Qualified Assistant, commencing salary £3 5s. prospects for the right man. P.C.B. 142/5, Office of this Paper.

A N Elderly Gentleman required as Superintendent; easy hours; please state salary required. 226/13, Office of this Paper.

J.C.Q.O. OPTICIAN, with view to succession; state age, height, qualifications, experience, salary, photo, married or single, and capital available; West Country. 226/50, Office of this Paper.

JOSEPH WALLWORK & SONS, Chemists, Tyldesley, Manchester, require a Junior Assistant or Improver; must have passed Part I. Replies not answered in 7 days respectfully declined.

JUNIOR Assistant (Male), Unqualified, for busy Dispensing Business; must be quick and reliable Dispenser; well spoken, good appearance; knowledge Photography and Display an asset; available before Christmas. Write, giving age, experience, salary required, to Davenport, 36 London Road, Bromley, Kent.

JUNIOR or Improver, male, immediately; good-class Pharmacy. Please give full particulars of experience, age, height and photo. Ashworth, 52 Church Street, Weybridge.

LADY Assistant required for evenings and week-ends; Apothecaries' Hall certificate. Write, giving full particulars (please do not enclose original testimonials nor stamped addressed envelope), R. Harrison, Chemist, 8 Station Road, Walthamstow, London, E.17.

MANAGER, Qualified, required immediately for business in West London; salary £3 10s. to £4 per week. Reply, with full particulars, 252/155, Office of this Paper.

PART-TIME Assistant, Qualified, married, and accustomed to good-class business; light evening duties and a four-room flat. Apply Messrs. Amoore & Co., 173 Sloane Street, S.W.1.

PHARMACY.—Female Assistant, Unqualified or Hall certificate; must have had general Pharmaceutical and Shop experience, Apply in writing, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society, Limited, 148 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." (Widows and single persons only considered.) Note.—Canvassing of members of the General Committee or officials will disqualify.

QUALIFIED Assistant (about 22 or 23) immediately for branch shop; high-class Dispensing. Reply full particulars, salary and references, W. T. Stephenson, 31 High Street, Sutton, Surrey.

QUALIFIED Assistant (age 23); state salary required and fullest details in first letter, with photograph. Apply 223/4, Office of this Paper.

QUALIFIED Lady required from January 1 for small branch shop in Yorkshire town. Apply, stating age, experience and salary required. 224/1, Office of this Paper.

QUALIFIED Locum required from (beginning) 9 a.m. Monday, December 24th, to Sunday night, 8 p.m., December 30th; closed Christmas Day; replies must state salary required (to live out) and enclose references and photograph, or will be unanswered. 252/126, Office of this Paper.

QUALIFIED wanted at once for small E. London Business; permanent; commission on increased turnover; write, stating age, experience and lowest salary to commence; energy and tact essential. 226/37, Office of this Paper.

REQUIRED at or before New Year, Pharmacist-Optician as Manager of progressive industrial South Wales business; commencing salary £5 weekly plus liberal commission; free living accommodation available; excellent opportunity for an enthusiastic man of first-class ability and sound experience. Apply 218/7, Office of this Paper.

STOCKTAKING Supervisor required by firm of Multiple Chemists; only those accustomed to handling several teams of Stocktakers need apply; previous experience in the Chemist business useful but not essential. Write, stating age, experience and salary required, to Staff Manager, Timothy Whites, Ltd., Chemists, Portsmouth.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 100 to 150 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

VACANCY for Unqualified Junior Assistant (18-25), Male; good Dispensing experience essential; modern pharmacy, with separate Toilet Department; good medium-class all-round experience; suitable position for Chemist's Son seeking further experience. Willing and courteous hard workers only need apply by letter (with photo) or in person to 12A Court Parade, North Wembley. Sunday morning interviews 10-11.30 a.m. or weekday 9-11.45 a.m.

YOUNG Qualified Man required for London, W.C. district; hours: 2.30 p.m. to 11 p.m., Wednesday 8.30 a.m. to 1 p.m., alternate Sundays 6 p.m. to 8 p.m. Reply, giving full particulars, salary, experience, &c., 226/25, Office of this Paper.

YOUNG Unqualified Assistant for Counter trade and Window-dressing; Photographic experience essential; must be smart and good Salesman. Give full particulars, including wages required. Connor, Scot Lane, Doncaster.

YOUNG Unqualified Assistant for London, E., immediately. Please send full particulars, references, salary expected and enclose recent snap if possible, to Breeze's, 151 Plaistow Road, E.15. N.B.—Applications unanswered within 3 days declined with thanks.

WHOLESALE.

A REPRESENTATIVE, young and energetic, required by firm of Soap and Perfumery Manufacturers to call on Chemists in Wales, Wirral Peninsula, and Gloucestershire. All applications will be treated in strictest confidence, and must state age and detailed particulars of experience, &c., otherwise will not be considered. Salary, expenses and commission basis. 252/132, Office of this Paper.

COMPARATIVELY new London firm recently introduced a popular-priced fast repeat-order Proprietary which met with immediate success and now has openings for Salesmen in Midlands, Home Counties and South Coast; Salesmen with established connections make £3 to £5 weekly on commission; no objection to non-competitive lines being carried. Write fully your territory and lines carried, Box R.G., c/o 47 Baker Street, W.1.

DRUG Hand, experienced in assembling and checking Wet and Dry. State age, experience and wages required. P.C.B. 142/6, Office of this Paper.

EXPERIENCED Traveller required to increase present Medical, Surgical and Veterinary connection in South Wales, Midland, or Eastern Counties; good man offered excellent prospects, with most complete equipment; investment later if desirable, as principal contemplates retirement, but not required immediately; state experience. 226/11, Office of this Paper.

FULLY Qualified Lady Chemist required; knowledge Card Indexing and General Office Routine desirable. Write fully, 251/116, Office of this Paper.

REPRESENTATIVE, young and energetic, required by firm of Soap and Perfumery Manufacturers to call on Chemists in London and South-East Counties. All applications will be treated in strictest confidence, and must state age and detailed particulars of experience, &c., otherwise will not be considered. Salary, expenses and commission basis. 252/133, Office of this Paper.

REPRESENTATIVES see Edme advertisement on page xix, THE CHEMIST AND DRUGGIST, November 24, 1934.

TRAVELLERS required, also Distributors; good connection with Hairdressers; essential first-class Salesmen; references. Red Star Hygienic, Slough, Bucks.

WANTED.—Experienced Pharmaceutical Chemist (single); one able to speak German, to lecture and to eventually take control of a Factory; applications and particulars. Apply P.C.B. 142/14, Office of this Paper.

WANTED.—Young Qualified Man by Manufacturers; opportunity for part travelling. Write stating experience and the salary required. Hinders, Ltd., 174/192, Estcourt Road, S.W.6.

COLONIAL, INDIAN AND FOREIGN.

CROWN AGENTS FOR THE COLONIES.—Colonial Government Appointments.—Applications from Qualified Candidates are invited for the following post:—ASSISTANT STOREKEEPER required by the Government of Tanganyika Territory for the Medical Department for 20 to 30 months in the first instance; salary £372-18-480 a year (at present subject to temporary levy); free passages, quarters and liberal leave on full salary; candidates (aged 23-35) must possess the minor qualification as Chemist and Druggist of the Pharmaceutical Society, have had experience in a large teaching hospital or in the R.A.M.C., and possess a thorough practical knowledge of instruments, general hospital equipment and stores management. Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience, and mentioning this Paper, to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting M/3560.

PHARMACIST, young and ambitious, required in Offices of Manufacturing Chemists in Germany; varied experience, well acquainted with English Medical and Pharmaceutical requirements; knowledge of German language not essential. Full particulars in strict confidence to 252/134, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.A.A. —MANAGER or locum (38); experienced West End, General Retail; single; conscientious; disciplinarian; abstainer; village preferred, but not essential. 226/20, Office of this Paper.

A.A.A.A. —ASSISTANT, Unqualified (28), experienced Salesman, Window-Dresser, Dispenser, 3 years' West End, desires permanency. Beer, 18 Palmerston Road, Plumstead, S.E.18.

A.A.A.A. —ASSISTANT, Unqualified (24), tall; 8 years' London and provincial experience; conscientious, capable Dispenser; Salesman, Window-dresser. Chemicus, 37 Bywater Street, Chelsea, S.W.3.

A.A.A.A. —M.P.S., Scot (27), experienced Manager or Assistant; permanent or temporary; good references; prefer interview, anywhere City or Eastern districts London; Dispensing, Window-dressing and Photography. Chemist, 43 The Avenue, Highams Park, E.4.

A.A. —ASSISTANT (22), 6 years' experience, requires permanent or temporary situation; trustworthy; conscientious; capable Dispenser, Salesman, Window-dresser; West London preferred; references; disengaged. "K.", 47 Aldbourne Road, W.12.

A.A. —QUALIFIED (27), seeks progressive position as Manager or Assistant; would consider locum; thoroughly experienced in all branches of good-class trade; efficient Salesman and Window-dresser; disengaged; salary moderate. "Chemist," 167A Camden Road, N.W.

A. —ASSISTANT (age 28), Unqualified; Dispensing, Counter, Window-dressing, Photography; capable taking charge or developing Ciné Photography and Home Cinemas. 226/30, Office of this Paper.

A. —CHEMIST, disengaged (25), single; "... wherever tact, initiative and real thorough-going application are called for I can recommend Mr. B— with every confidence. L.M.F., M.P.S." (ref.) 228/3, Office of this Paper.

A. —QUALIFIED Lady (age 25) requires locum or permanent post; 2½ years' Retail and Hospital experience in London and provinces. 227/13, Office of this Paper.

A. —QUALIFIED Manager or Assistant, 20 years' all-round experience, requires position, Loudon or suburbs. Davies, 109 Alexandra Drive, Surbiton, Surrey.

A. —QUALIFIED Scot (26), tall; 9 years' experience (London and country); Dispensing, Photography, Window-dressing; desires progressive post as Senior Assistant or Manager. 225/5, Office of this Paper.

A. —Experienced Manager; capable; thoroughly reliable; abstainer; last position 4 years; London; salary moderate. 226/18, Office of this Paper.

A. —SSISTANT, Unqualified; tall, single; Dispensing, Counter and Photographics. Harris, 11 Lloyd Road, South Levenshulme, Manchester.

A. —SSISTANT (25), Part I; expert Dispenser; used to High-class Family business. Bishop, 41 Hillcross Avenue, Morden, Surrey.

A. —SSISTANT (24), Qualified, requires position; reliable Dispenser; experienced in all branches, including Photographic; Welsh. 216/3, Office of this Paper.

A. —SSISTANT (25), Unqualified; West End, seaside, City; N.H.I.; accurate Dispenser, Window-dressing; London. "C.", 44 Turneville Road, W.14.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensue. Strict attention to this detail will be appreciated.

ASSISTANT (28), Unqualified; 13 years' good experience, Dispensing, Counter, Photographic (including D. & P.), Window-dressing, &c.; disengaged. 76 Village Way, Ashford, Middlesex.

ASSISTANT (20); 4 years' all-round experience; locum or permanent, part or whole time. King, 9 Williamson Street, N.7.

CHEMIST, Scotchman, experienced, disengaged November 26, desires Management or Senior, London or provinces; moderate salary. "Drug," 50 Christchurch Road, Doncaster.

DISENGAGED.—Emergency Relief in any capacity; thoroughly competent; open to offer; any period. W. J. B., 56 Rudloe Road, Balham, S.W.12.

DISENGAGED, M.P.S., locum, part-time or otherwise; good experience and references. Wilkinson, 25 Harrow Road, London.

DISENGAGED.—Qualified (35) desires post as Manager or Assistant, with view to succession; Scotland preferred; moderate salary accepted for suitable position. 226/14, Office of this Paper.

DISPENSER Book-keeper, Gentleman, middle aged; thorough London experience, Private, N.H.I. routines; permanent or temporary; industrious; reliable. 65 Cloudesley Road, N.1.

ENGAGEMENT wanted, Birmingham; experienced, reliable, Qualified; locum; free November 26-December 8 inclusive. Harris, 850 College Road, Erdington, Birmingham.

EVENING Post; Qualified, young, highest references; West End experience; Doctor or Chemist; moderate. P.C.B. 142/2, Office of this Paper.

EXPERIENCED Qualified (29) requires progressive permanency or locum; London preferred, not essential; first-class experience and references; disengaged. "Spero," 28 Saltoun Road, Brixton, S.W.2.

HOME COUNTIES.—Qualified (31), shortly disengaged following long locum, desires similar or Managerial permanency; varied experience London and country; reliable, adaptable; recommended. Sage, c/o Pharmacy, Long Melford.

LADY Assistant, Unqualified (25), with 9 years' experience; quick and accurate Dispenser; excellent Window-dresser, Saleswoman; highest references. 222/1, Office of this Paper.

LADY Dispenser-Book-keeper (Hall); disengaged; good experience in general practice; locum or permanency. Wetherall, 24 Hindes Road, Harrow.

LADY, M.P.S. (27), desires post London; excellent references; interview when desired; permanency or locum. Clarke, 4 Crawford Street, W.1.

LEEDS DISTRICT.—Yorkshireman, now managing London business, prefers Yorkshire (age 25; 5 ft. 10 in.); well trained; excellent references; Photography, N.H.I., Counter, Windows; interview Sundays. 226/31, Office of this Paper.

LIVERPOOL.—Qualified (29) seeks position of trust; capable in all departments; excellent references. "Statim," 39 Hampstead Road, Liverpool, 6.

LOCUM or Manager (36); Qualified; good all-round experience; any period. Chemist, 50 Grove Lane, Camberwell, S.E.5. 'Phone: Rodney 2719.

MANAGER or Assistant, tall; 20 years' good experience; locum or for winter months; moderate salary; London or district not essential; disengaged. Statim, 98 Newcomen Road, Wellingborough.

MANAGER or Superintendent (45); obliging, sober, trustworthy & energetic; best references; moderate salary; free week. M.P.S., 6 Meadow Hall Road, Brightside, Sheffield.

M.P.S., DISENGAGED; middle-aged, active and reliable; Manager or Senior; permanency preferred; £3 10s. to £4; best references. 55 Essex Avenue, Slough, Bucks.

M.P.S., LADY, desires permanency, locum or part-time post. Hall, 50 Trafalgar Square, Chelsea, S.W.3.

M.P.S. (26), disengaged; single; male; good references; Dispensing, Counter, Photography. Cooke, 39 Frithville Gardens, Shepherds Bush, W.12.

M.P.S. REQUIRES post as Manager or Assistant; excellent references; good Dispensing experience, Hospital and Retail; French linguist. 228/1, Office of this Paper.

M.P.S. (23) seeks post as Assistant; Wiltshire or Somerset preferred; well recommended; free at once. 226/4, Office of this Paper.

M.P.S. (30); 5 years as manager; London experience; excellent references; capable Prescriber, Salesman, Window-dresser; whole or part-time; London preferred; disengaged. Lewis, 1 Cambridge Gardens, W.10.

PART time in London, Qualified, elderly, active, reliable, abstainer; salary 1s. 6d. per hour. Apply "S." c/o Whitton, 2 Penistone Road, Streatham Common, S.W.16.

PHARMACIST, of good all-round experience, seeks engagement, Management, Buying, &c. Pharmacist, 21 Netherfield Read, S.W.17.

PHARMACIST (24); disengaged; excellent references; accurate Dispenser, good Counter Prescriber and keen Salesman; varied experience provincial and seaside; London or Edinburgh preferred, but not essential. Apply 226/43, Office of this Paper.

PHARMACIST (56); recently retired; locum, part or whole time; Wembley or Harrow district preferred. 50 Sudbury Heights Avenue, Greenford.

QUALIFIED Chemist (27); 5 years branch manager; knowledge Photography; passed major portion B.O.A. examination; accept moderate salary to obtain practical optical experience with Chemist-Optician. Leach, Ashfield Road, Shipley, Yorks.

QUALIFIED Lady (24) seeks post good-class Pharmacy immediately; 3 years' Retail experience. Chemist, 30 Dancer Road, S.W.6.

QUALIFIED Manager or Assistant, locum or permanent; over 20 years' experience; Dispenser, Counter, Photographic; disengaged. C. A. Livie, Kimbolton, Hunts.

QUALIFIED, tall, married, requires post as Manager; 25 years' good experience in all branches; business builder; excellent references; free now; North of England preferred. Sumner, Whittington, Kirkby Lonsdale.

SMART, efficient Counter Salesman seeks change and progress (25); tall, smart appearance, good personality and business getter; experienced all Toilets and Sundries, Window-dressing; increased turnover guaranteed; good wages for results; fast West End trade preferred. Write 224/2, Office of this Paper.

SMART Young M.P.S., F.B.O.A., seeks permanency; good, all-round experience. Apply Chemist-Optician, 85 Downs Drive, Timperley, Altrincham, Cheshire.

UNQUALIFIED (21), tall, Dispensing, Window-dressing, Counter, good Agricultural experience, requires situation. Gilbert, Kirton, Boston, Lincs.

WANTED for the New Year, a responsible Management, by a fully Qualified, very experienced Pharmacist; thoroughly trained, all professional and business sides; hard work welcomed; appreciation and fair remuneration expected. M.P.S., Yew Tree Cottage, Whitchurch, Oxon.

WANTED, post Junior Dispenser in Hospital, whole or part time; Apoth. Hall; London Matric.; 9 months' experience. Apply Draper, 45 Upper Tooting Road, S.W.17.

YOUNG Assistant desires change; 4 years Counter and Dispensing; good references; Bristol area preferred. 226/39, Office of this Paper.

WHOLESALE.

A REPRESENTATIVE with first-class references, records, and connection London and provinces desires position with good house; sound experience in Drug and Toilet; would consider Agencies paying expenses; resident London. 226/28, Office of this Paper.

ADVERTISER, desirous of change, seeks Sales Executive position with well-established house; experience in controlling Salesmen and Propagandists; has live personal connection with leading Buyers; exceptional knowledge of Medicine, Therapeutics, direct Medical Propaganda, Pharmacy and Exhibition work. 225/1, Office of this Paper.

ADVERTISER (23), 5 years' Retail experience, seeks Agencies worked on a commission and part expenses basis for Lancashire area. 227/2, Office of this Paper.

CHEMIST (25), 8 years' Analytical Laboratory experience Oils, Fats, Soaps, &c., seeks similar position, or would welcome chance of Representation; London preferred. "W." 48 Dagmar Avenue, Wembley, Middlesex.

ENTERPRISING, energetic Traveller (25), excellent connection London, Home Counties, desires position; car. "M." 67 Mayfield Avenue, North Finchley.

IRISH FREE STATE TARIFF REGULATION.—Chemist, Irish qualification, conversant with above, extensive experience Importing, Exporting, good Organiser, Controller of Labour, excellent references, seeks introduction English Manufacturing Firm view business I.F.S.; available interview London. P.C.B. 142/9, Office of this Paper.

IRISHMAN wishes to represent British firm in Ireland; Drugs, Toilets, Surgical Instruments, Electro-Medical Appliances, or as Medical Representative; presently engaged in London; excellent references. J. Q., 22 Albert Street, N.W.1.

MEDICAL PROPAGANDA.—Sales, own car; 30 years' exceptional record; highest credentials, M.O.H. Bill of Health; 7 years last engagement; Hants and West of; permanencies and first-class houses only. "Stability," Barley Mow, Barnstaple.

CLEAR OUT—your Old or Damaged Stock of Photo Goods. Why keep them any longer? Turn them into CASH. I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers, Cards (any sizes), Old Photo Goods or Cameras, Bromide Papers, Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along. S. E. HACKETT, 23 July Road, Liverpool

MEDICAL REPRESENTATIVE—Qualified Pharmacist, young, excellent detailing experience, with comprehensive range Pharmaceutical Specialities, seeks permanent and progressive position with leading house; requisite personality, appearance; knowledge Therapeutics; resident London. 226/19, Office of this Paper.

PH.C., with 15 years' wide experience in Dispensing, Research and Sales, Wholesale and Retail, offers services where experience and ability will be appreciated; highest testimonials. 226/42, Office of this Paper.

POENTIAL Representative, Honours Graduate (23), desires progressive post; qualifications exempt from A.I.C. Examination; no experience; adaptable, enthusiastic; interview; trial; nominal salary; learn anything. "Chemist," Fairview, Trafford Park, Manchester.

REPRESENTATIVE, resident Devon, calling Chemists, Hair-dressers, West of England, desires well-advertised line on commission or other terms. 228/2, Office of this Paper.

SALES AND MARKETING.

AN EXECUTIVE POST is desired by Advertiser (46), who has had wide experience in Modern Selling Methods, Marketing, Advertising, Export Sales, General Administration and Organisation; undeniably references. Box 637, Erwoods, Ltd., 30 Bouvierie Street, E.C.4.

SALES Manager holding highly paid position with important company in Toilet trade desires change in similar capacity. P.C.B. 142/18, Office of this Paper.

TOILETS, PERFUMERY.—Advertiser, expert Creams, Powders, Soaps, seeks berth; keen Buyer; able to influence business; excellent references. "Amhra," P.C.B. 142/7, Office of this Paper.

YOUNG Lady, exceptional Chemical experience, seeks re-engagement as Secretary-Shorthand Typist; excellent references; reasonable salary. P.C.B. 141/36, Office of this Paper.

YOUNG Lady, experienced in Factory control, seeks situation as supervisor; Toilets preferred (age 27 years); 4 years as Supervisor. 225/4, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

ARE YOU INTERESTED IN THE EXPORT TRADE?—Chemist, considerable Empire experience Exporting, Importing, wishes discuss Exports with a British Manufacturing or Distributing Firm; available for interview London. P.C.B. 142/10, Office of this Paper.

FOR SALE.

(Articles to the value of £5-£50.)

AN AUTOWAY Personal Weighing Machine, in good condition; gives correct weight; a 33 guinea model, nearly new; good offers, please. 225/11, Office of this Paper.

FOR SALE, CHEAP.—Fixtures and Fittings, Weighing Machine, Dispensing Scale and Sundries of Discontinued Pharmacy. 5 High Street, Bognor Regis.

NATIONAL Cash Register for Sale, in perfect working order; prints sales and gives total; going at bargain price. Write, R. Fells, 735 High Road, Leytonstone.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CLEAR OUT OLD STOCKS OF BOTTLES AND JARS FOR PROMPT CASH ANY QUANTITIES

Post Samples and Full Particulars to:—
W. SPEAKE, 68 Yew Tree Road, WALTON, LIVERPOOL

MISCELLANEOUS.

A COMPLETE Set of Pharmacy Fittings, suitable for beginner or branch, comprising 8-ft. Drug Fitting, 6-ft. Glass-Fronted Counter, complete with Nest of Drawers and Cash Till, 6-ft. Wall Showcase, 6-ft. Dispensing Screen; all in mahogany, £50; packed and free on rail. Call or write PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1. Telephone: Clerkenwell 2191. "Pharmacy Fitters for over a Century."

CHIMISTS' Confectionery Manufactory.—Fully-equipped power machinery for production of Medicated Boiled Goods, Pastilles, Lozenges, &c.; trade name, goodwill, formulas available; moderate rental. Full particulars from 226/41, Office of this Paper.

CHIMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass-fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate Glass Counters, Cash Tills, Display Stands and Glass Shelves, &c., at competitive prices. F. MAUND & E. BERG (SHOWCASES), LTD., Shop Fitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

FOR SALE.—Office and Warehouse Furniture and Fittings, Showcases, safe, &c., &c., at bargain prices. Call or 'phone Parfumeries de Paris, Ltd. (in voluntary liquidation), Larden Road, Acton, W.3. Tel.: Shepherd's Bush, 2343.

EXCHANGE COLUMN.

WANTED.

CASH Register wanted; medium size model; must be "National" make. Write P.C.B. 141/28, Office of this Paper.

SHOP, Dispensing and Baby Scales. Conways, 113 Stretford Road, Hulme, Manchester.

WANTED TO PURCHASE.—Formula for Non-Poisonous Pine Fluid Disinfectant. Rideal-Walker co-efficient. 223/5, Office of this Paper.

WANTED TO PURCHASE.—Formula for Snuff, suitable for Retail Tobacco Trade. Replies treated in strict confidence. 219/50, Office of this Paper.

THE SUPPLY OF SUPPLEMENTS

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An attractively written book, dealing with the plants mentioned in the examination syllabus of the various pharmaceutical examining bodies. A useful gift for apprentices and assistants who have not passed the qualifying examinations.

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Chemists interested in veterinary practice will find the work indispensable, as it deals with the ailments of horses, cattle, sheep, pigs, dogs, and poultry, and the remedies that can be supplied. New edition 1930 (Eighth) brings this book thoroughly up to date.

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